ORDER NO. ACED030345C1

C4

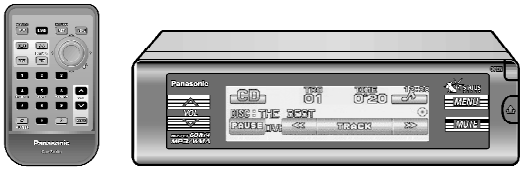
# Service Manual

## AUTOMOTIVE AFTERMARKET

COMPACT disc DIGITAL AUDIO TEXT  WMA  MP3

## CQ-HX2083U

## Removable Full Front MP3 WMA CD Pla yer / Receiver with Full Dot Matrix Display and CD Changer Control



## SPECIFICATIONS

### Specifications*

| | |
|---|---|
| **General** | |
| Power Supply | DC 12V (10.8V - 16V),<br>Test Voltage 14.4V<br>Negative Ground |
| Current Consumption | Less than 2.2A / (CD play mode ; 0.5W×4ch) |
| Maximum Power Output | 60W×4ch (at 1kHz, Vol. MAX) |
| Tone Adjustment Range | Bass : ±12dB at 120Hz<br>Treble : ±12dB at 10kHz |
| Suitable Speaker Impedance | 4-8 Ω |
| PreAmp Output Voltage | 5.0V (CD play mode ; 1kHz 0dB) |
| Subwoofer Output Voltage | 5.0V |
| PreAmp Output Impedance | 60 Ω |
| Subwoofer Output Impedance | 60 Ω |
| **AM Radio** | |
| Frequency Range | 530 - 1,710kHz |
| Usable Sensitivity | 27dB/ μ V (11 μ V, S/N 20dB) |
| **FM Stereo Radio** | |

| | |
|---|---|
| **Frequency Range** | **87.9 - 107.9MHz** |
| **Usable Sensitivity** | **10.2dBf. (0.9 μ V,75 Ω )** |
| **50dB Quieting Sensitivity** | **15.2dBf.(1.6 μ V, 75 Ω )** |
| **Frequency Response** | **30 - 15kHz(±3dB)** |
| **Alternate Channel Sensitivity** | **75dB** |
| **Stereo Separation** | **35dB(1kHz)** |
| **Image Response Ratio** | **75dB** |
| **IF Response Ratio** | **100dB** |
| **Signal /noise ratio** | **62dB** |
| | |
| **CD Player** | |
| **Sampling Frequency** | **8 times Oversampling** |
| **Error Correction System** | **Panasonic Super Decoding Algorithm** |
| **Pick-Up Type** | **Astigma 3-beam** |
| **Light Source** | **Semiconductor Laser** |
| **Wave Length** | **780nm** |
| **Frequency Response** | **20Hz to 20kHz (±1dB)** |
| **Signal to Noise Ratio** | **95dB** |
| **Total Harmonic Distortion** | **0.02%(1kHz)** |
| **Wow and Flutter** | **Below measurable limits** |
| **MP3** | |
| **Bit Rate** | |
| | **MPEG1 Audio Layer3: 32k-320kbps** |
| | **MPEG2 Audio Layer3: 8k-160kbps** |
| **Sampling Frequency** | **MPEG1 Audio Layer3: 32,44.1,48kHz** |
| | **MPEG2 Audio Layer3: 16,22.05,24kHz** |
| **WMA** | |
| **Bit Rate** | **64k-192kbps** |
| **Sampling Frequency** | **32,44.1,48kHz** |
| | |
| **Dimensions**** | **7"×1-15/16"×6-1/8" (178×50×155mm)** |
| **Weight**** | **4lbs 3oz (1.9kg)** |

*** Specifications and the design are subject to possible modification without notice due to improvements.**

**** Dimensions and Weight shown are approximate.**

**-Above specifications comply with EIA standards.**

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**⚠ WARNING**

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic®

**IMPORTANT SAFETY NOTICE**

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

# 1. ABOUT LEAD FREE SOLDER (PbF)

**Distinction of PbF PCB:**

**PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.**

**Caution :**

**- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.**

**- Pb free solder will tend to splash when heated too high (about 1100°F/600°C)**

**- This lead free solder will be used for the products after serial No. 1,000,001.**

# 2. FEATUERS

**- Touch sensor control.**

**- Display color and patterns.**

**- Double security.**

**- CD player.**

**CD-R/RW playback**

**MP3 and WMA playback**

**Super One-Chip Digital Circuit**

# 3. REPLACING THE FUSE

**Use fuses of the same specified rating (15amps). Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the stereo unit.**

# 4. MAINTENANCE

**Your product is designed and manufactured to ensure a minimum of maintenance. Use a dry, a**

**soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.**

# 5. NOTES

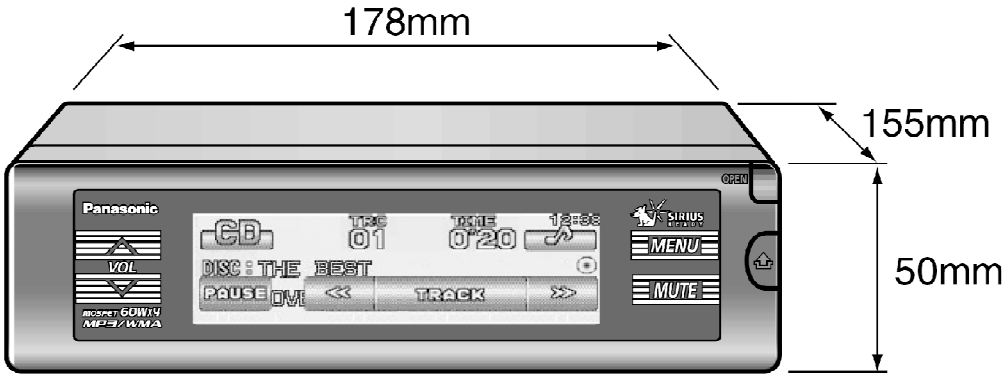
**[RADIO BLOCK]**

**Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.**

**[CD DECK BLOCK]**

**This model has no servo alignment points because microcomputer controls the servo circuit.**

# 6. DIMENSIONS




# 7. LASER PRODUCTS

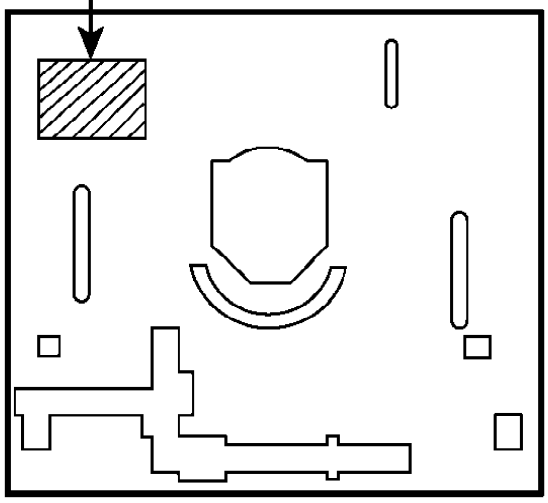
**CAUTION:**

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.

Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

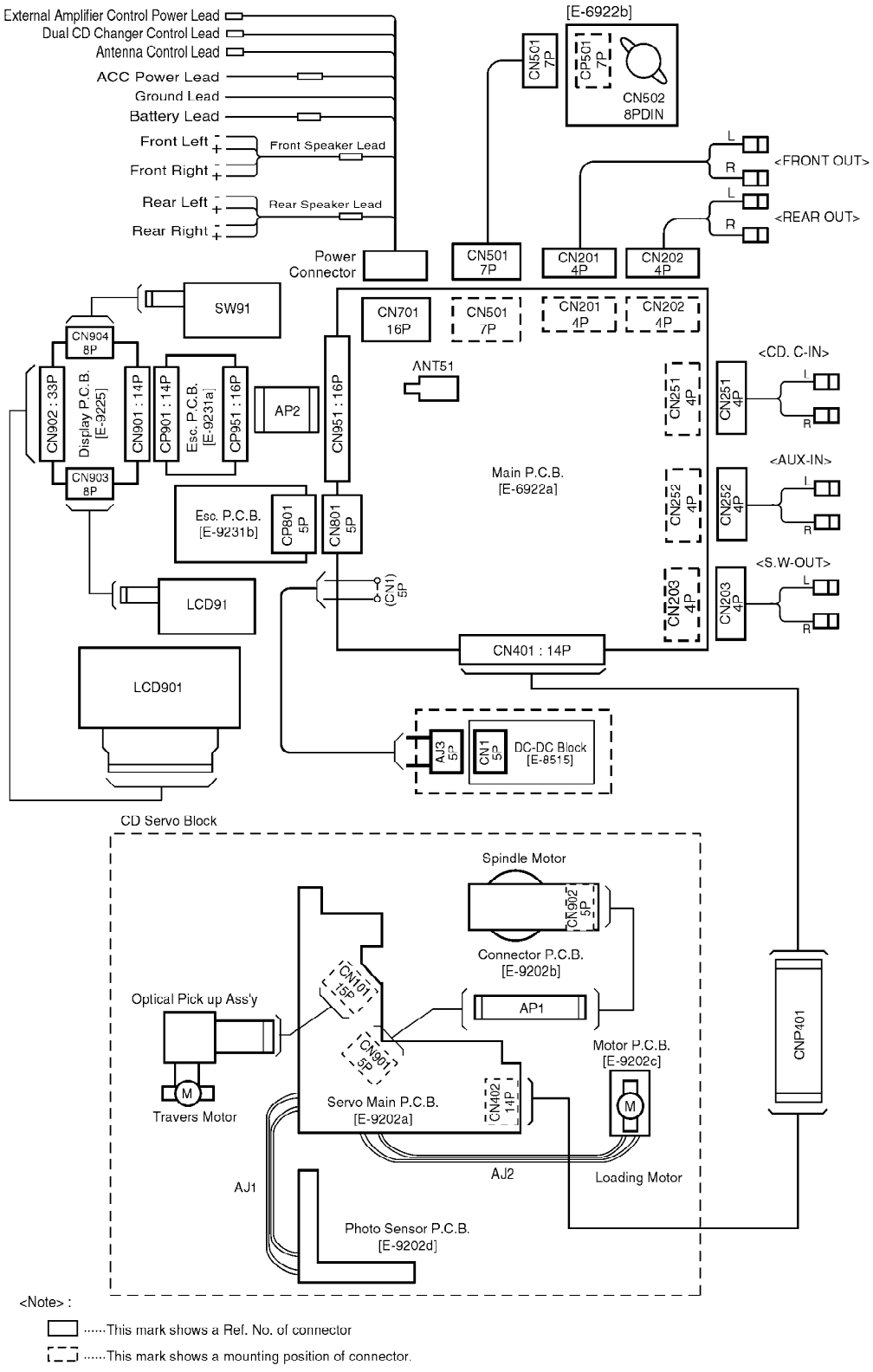
**DANGER!**
Visible and Invisible laser radiation when open.
Avoid direct exposure to beam.



Deck Ass'y (Upper Side)

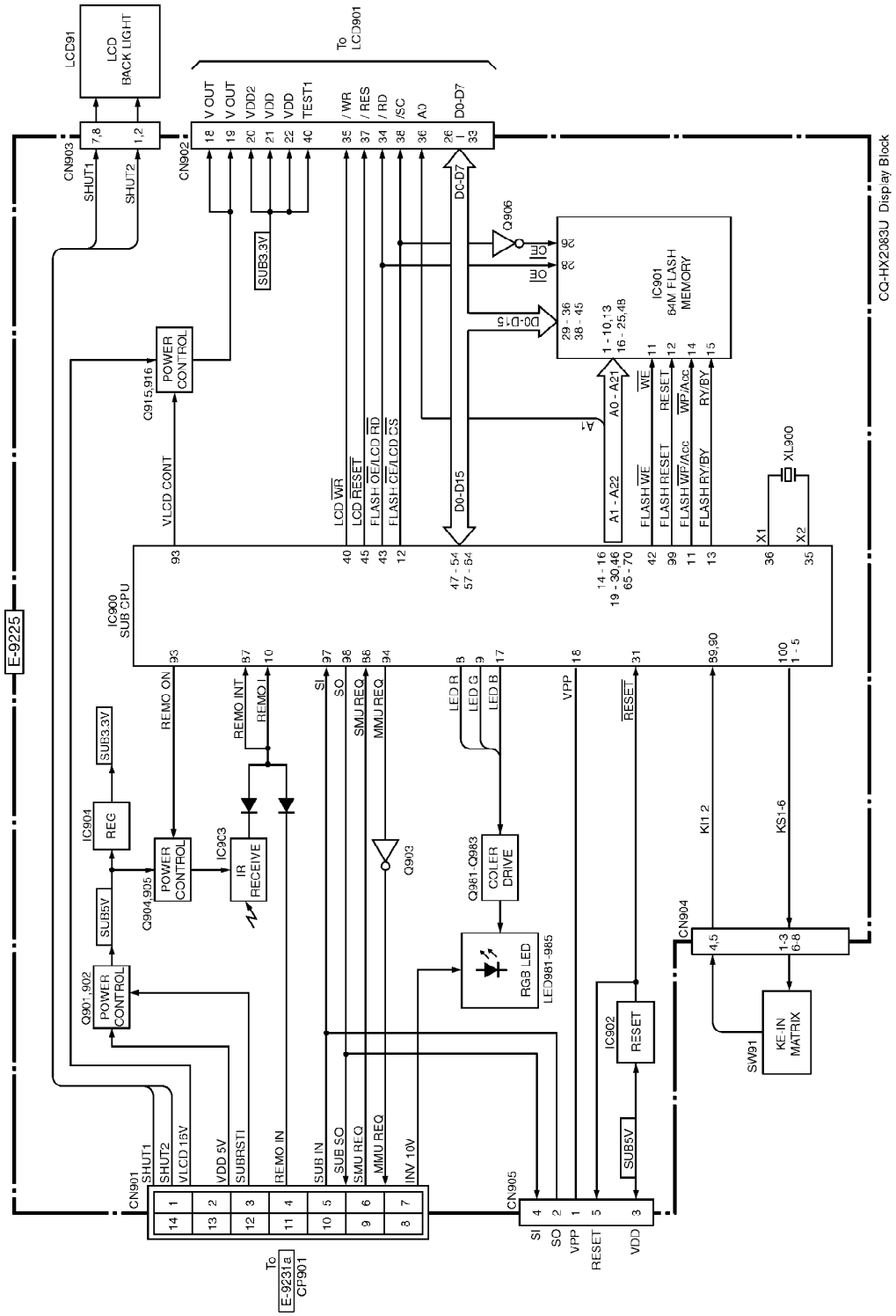
**Caution**
This Product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

## 8. WIRING CONNECTION

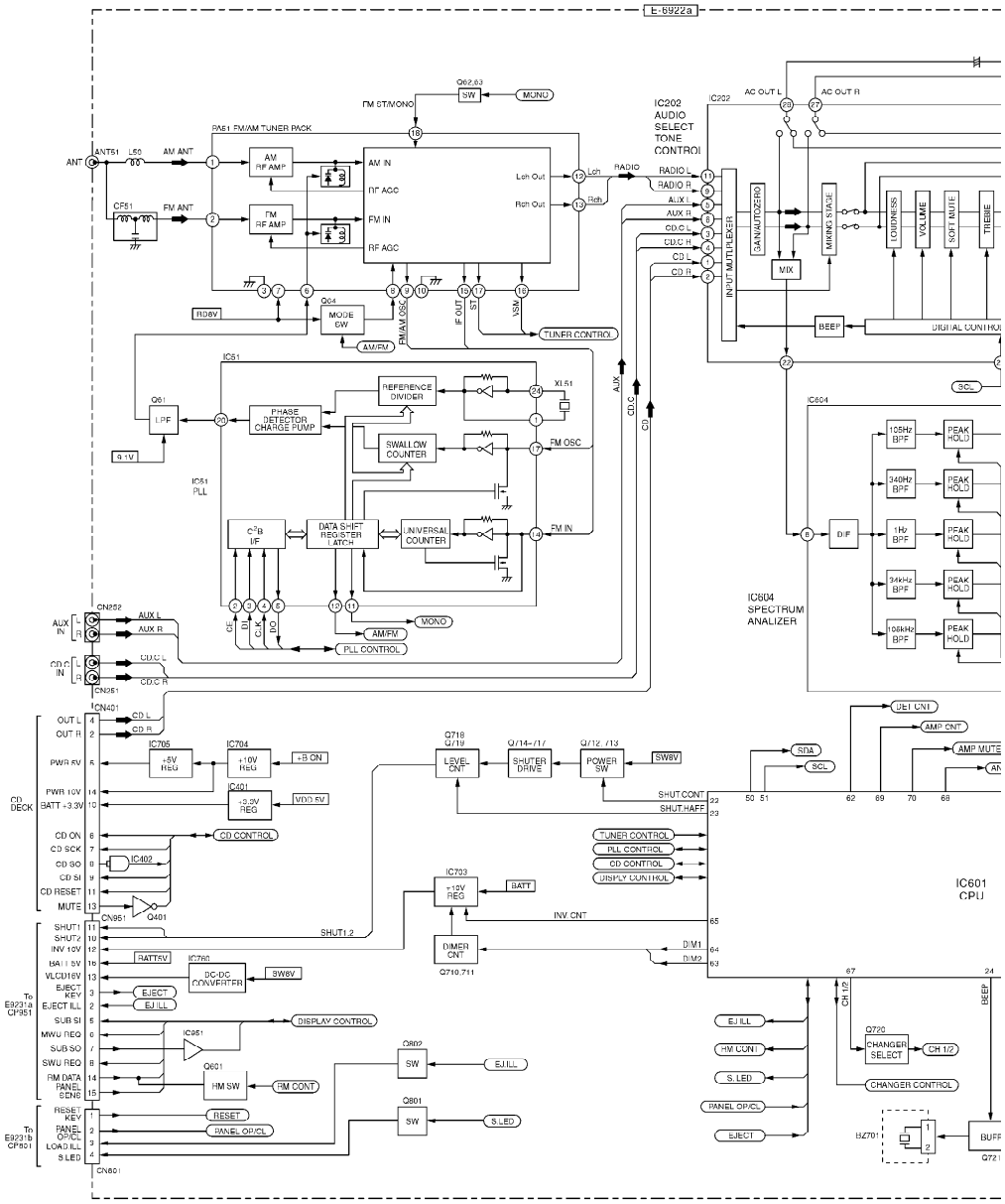



# 9. BLOCK DIAGRAM

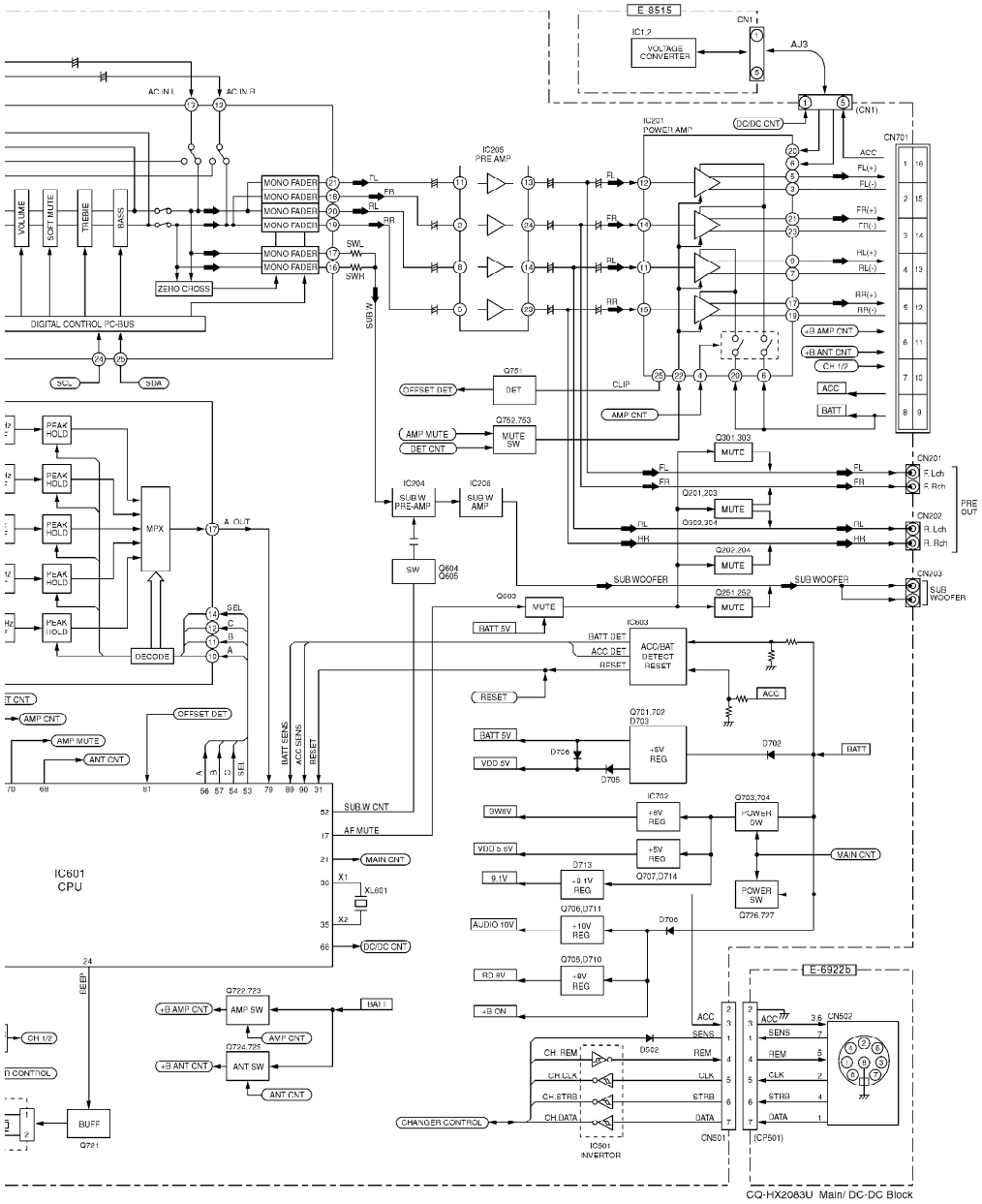
## 9.1. Display Block



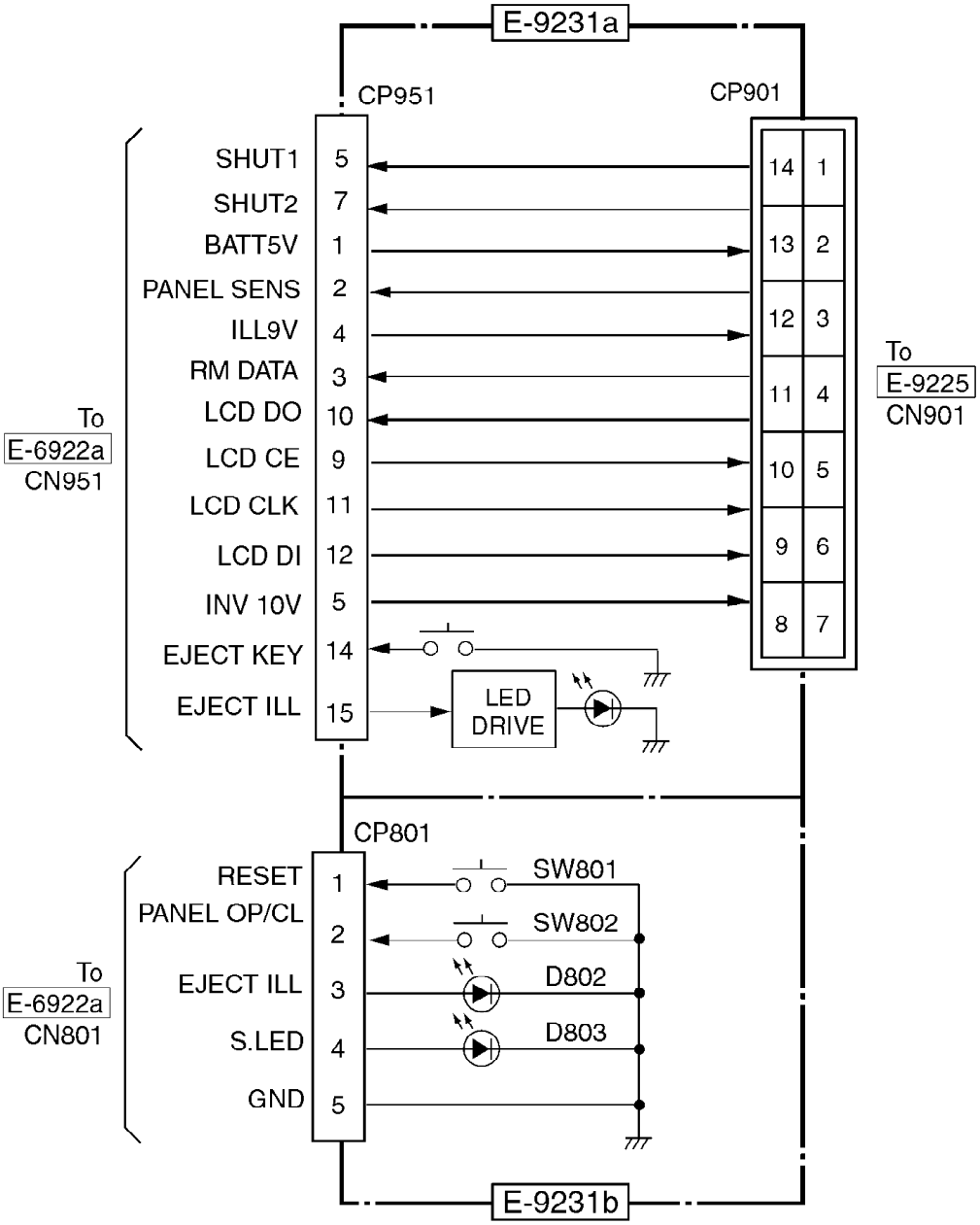

## 9.2. Main Block-1




## 9.3. Main Block-2

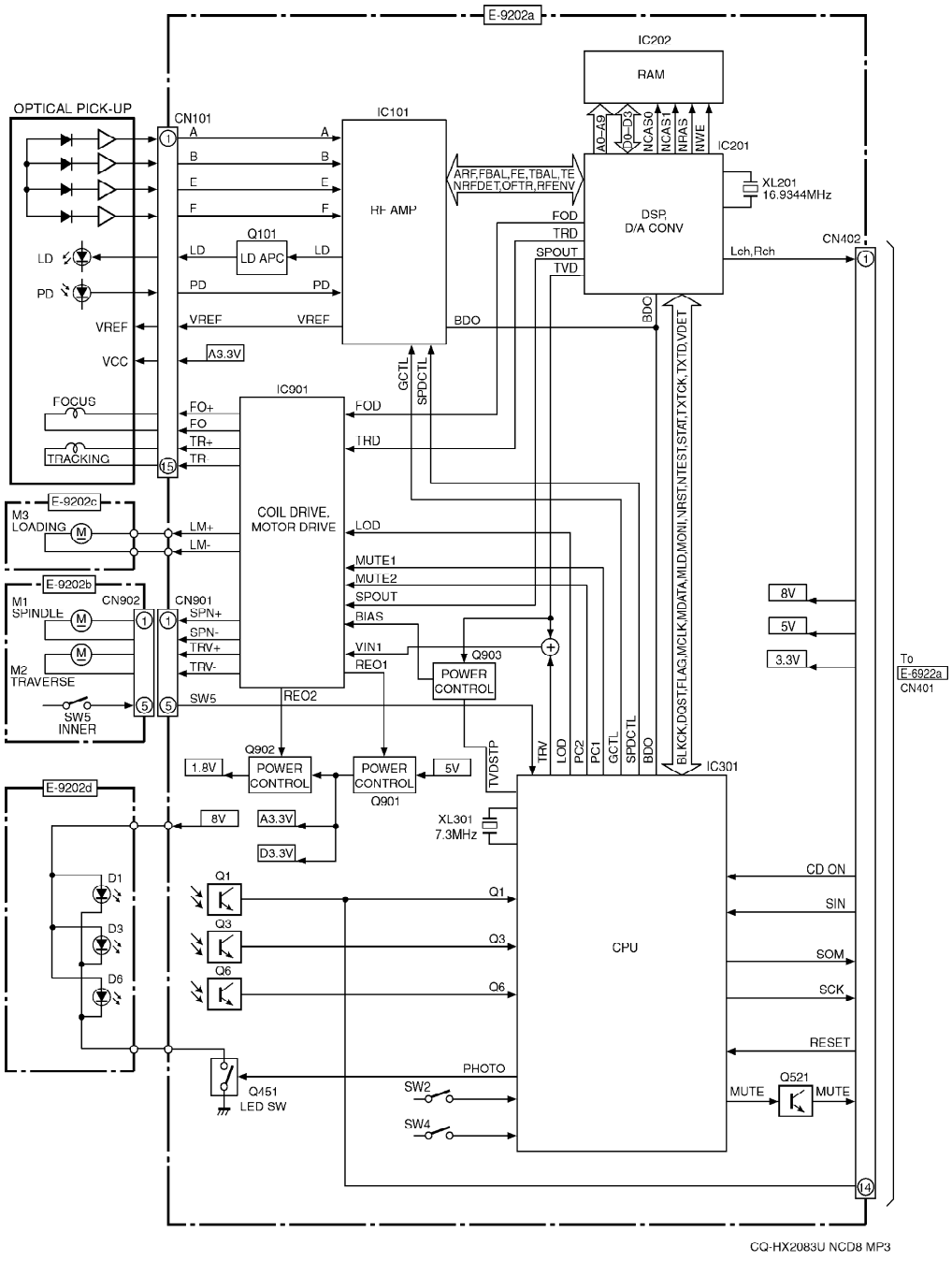

E-8515
VOLTAGE CONVERTER
IC601
CPU
CQ-HX2083U Main/ DC-DC Block

## 9.4. ESC Block




CQ-HX2083U ESC Block

## 9.5. CD Servo Block




# 10. TERMINALS DESCRIPTION

## 10.1. Main Block

**IC601 C2DBKJ000127**

| Pin No. | Port | Descriptions | I/O / (V) | FM / (V) | AM (V) | CD (V) |
|---|---|---|---|---|---|---|
| 1 | NC | - | - | - | - | - |
| 2 | CH CLK | Changer data clock | I | 0 | 0 | 0 |
| 3 | CD SO | CD Deck serial data | I | 1.5 | 1.5 | 4 |
| 4 | CD SI | CD Deck serial data | O | 0 | 0 | 1.3 |
| 5 | CD SCK | CD Deck data clock | O | 5.1 | 5.1 | 5.1 |
| 6 | EVDD | +5V power supply | - | 5.1 | 5.1 | 5.1 |
| 7 | EVSS | Ground | - | 0 | 0 | 0 |
| 8 | CD ON | CD Deck ON signal | O | 5.1 | 5.1 | 5.1 |
| 9 | CD RESET | CD Deck reset | O | 5.1 | 5.1 | 5.1 |
| 10 | RM DATA(NC) | - | - | - | - | - |
| 11 | RM CONT(NC) | - | - | - | - | - |
| 12 | NC | - | - | - | - | - |
| 13 | NC | - | - | - | - | - |
| 14 | NC | - | - | 0 | 0 | 0 |
| 15 | LCD CE | LCD driver selection | O | 0 | 0 | 0 |
| 16 | CD MUTE | CD mute signal | I | 5.1 | 5.1 | 5.2 |
| 17 | AF MUTE | Audio mute | O | 5.1 | 5.1 | 5.1 |
| 18 | VPP | (Registor pull down) | - | 0 | 0 | 0 |
| 19 | NC | - | - | - | - | - |
| 20 | SUB RST(NC) | - | - | 0 | 0 | 0 |
| 21 | MAIN CNT | Main power control | O | 5.1 | 5.1 | 5.1 |
| 22 | SHUT CONT | Shutter control | O | 5.1 | 5.1 | 5.1 |
| 23 | SHUT HAFF | Shutter penetratione effi. cont | O | 0 | 0 | 0 |
| 24 | BEEP | Beep output | O | 0 | 0 | 0 |
| 25 | CD PW CNT | CD power control | O | 5.1 | 5.1 | 5.1 |
| 26 | EJECT ILL | Eject LED control | O | 5.1 | 5.1 | 5.1 |
| 27 | S LED | S LED control | O | 5.1 | 5.1 | 5.1 |
| 28 | EP CS | Display Control | O | 0 | 0 | 0 |
| 29 | NC | - | - | - | - | - |
| 30 | NC | - | - | - | - | - |
| 31 | /RESET | System reset input | I | 5.1 | 5.1 | 5.1 |
| 32 | SUB XT1 | (Connecting to ground) | - | 0 | 0 | 0 |
| 33 | SUB XT2(NC) | - | - | - | - | - |
| 34 | REGC | Capacitor terminal for Reg. Stabilization | - | 3.3 | 3.3 | 3.3 |
| 35 | X2 | Crystal oscillator | - | 1.5 | 1.5 | 1.5 |
| 36 | X1 | Crystal oscollator | - | 1.4 | 1.4 | 1.4 |
| 37 | VSS | Ground | - | 0 | 0 | 0 |
| 38 | VDD | +5V power supply | - | 5 | 5 | 5 |
| 39 | CLK OUT(NC) | - | - | - | - | - |
| 40 | NC | - | - | - | - | - |
| 41 | NC | - | - | - | - | - |
| 42 | NC | - | - | - | - | - |
| 43 | NC | - | - | - | - | - |
| 44 | NC | - | - | - | - | - |
| 45 | NC | - | - | - | - | - |
| 46 | NC | - | - | - | - | - |
| 47 | NC | - | - | - | - | - |
| 48 | RDS DATA(NC) | - | - | 0 | 0 | 0 |
| 49 | PLL CE | PLL chip enable | O | 0 | 0 | 0 |
| 50 | SDA | Volume control IC data | O | 5.1 | 5.1 | 5.1 |
| 51 | SCL | Volume control IC clock | O | 5.1 | 5.1 | 5.1 |
| 52 | SUB W-F CNT | Sub. woofer control | O | 0 | 0 | 0 |
| 53 | SPE SEL | Spectrum Analyzer IC select | O | 0 | 0 | 0 |
| 54 | SPE C | Spectrum Analyzer IC control | O | 5.1 | 5.1 | 5.1 |

| Pin No. | Port | Descriptions | I/O / (V) | FM / (V) | AM (V) | CD (V) |
|---|---|---|---|---|---|---|
| 55 | BVDD | +5V power supply (for bus I/F) | - | 5.1 | 5.1 | 5.1 |
| 56 | BVSS | Ground (for bus I/F) | - | 0 | 0 | 0 |
| 57 | SPE.B | Spectrum Analyzer IC control | O | 0 | 5.1 | 5.1 |
| 58 | SPE.A | Spectrum Analyzer IC control | O | 5.1 | 5.1 | 5.1 |
| 59 | NC | - | - | - | - | - |
| 60 | NC | - | - | - | - | - |
| 61 | NC | - | - | - | - | - |
| 62 | DET CNT | Detector control | O | 0 | 0 | 0 |
| 63 | DIM2 | Dimmer control 2 | O | 0 | 0 | 0 |
| 64 | DIM1 | Dimmer control 1 | O | 0 | 0 | 0 |
| 65 | INV CNT | Display back light control | O | 5.1 | 5.1 | 5.1 |
| 66 | DC/DC CNT(NC) | - | - | 0 | 0 | 0 |
| 67 | CD CH 1/2 | Changer 1/2 select | O | 0 | 0 | 0 |
| 68 | ANT CNT | Antenna control | O | 5.1 | 5.1 | 0 |
| 69 | AMP CNT | Power IC standby control | O | 5.1 | 5.1 | 5.1 |
| 70 | AMP MUTE | Power IC mute control | O | 0 | 0 | 0 |
| 71 | AVDD | +5V power supply (for A/D converter) | - | 5.1 | 5.1 | 5.1 |
| 72 | AVSS | Ground (for A/D converter) |  | 0 | 0 | 0 |
| 73 | AVREF | Reference voltage (for A/D converter) | I | 5.1 | 5.1 | 5.1 |
| 74 | ST | FM stereo signal | I | 4.9 | 4.9 | 4.9 |
| 75 | SD | Tuner receiving signal strength | I | 0.3 | 0 | 0 |
| 76 | INIT A | Initialize input A | I | 0 | 0 | 0 |
| 77 | INIT B | Initialize input B | I | 0 | 0 | 0 |
| 78 | INIT C | Initialize input C | I | 0 | 0 | 0 |
| 79 | A.IN | Spectrum Analyzer level input | I | 0 | 0 | 0 |
| 80 | EXT MUTE | External mute | I | 4.9 | 4.9 | 4.9 |
| 81 | OFFSET DET | (Connecting to ground) | - | 0 | 0 | 0 |
| 82 | PANEL.OP/CL | Front panel open/close signal | I | 0 | 0 | 5.2 |
| 83 | EJECT | CD Eject switch signal | I | 5.4 | 5.4 | 5.4 |
| 84 | PNL.SENS | Front panel open/close sensor | I | 5.4 | 5.4 | 5.4 |
| 85 | CH SENS | Twin Changer Adaptor sensor | I | 4.9 | 4.9 | 4.9 |
| 86 | CH REM | Changer remote data | O | 5.1 | 5.1 | 5.1 |
| 87 | CH.STRB | Changer control strobe signal | I | 0 | 0 | 0 |
| 88 | RDS CLK(NC) | - | - | 0 | 0 | 0 |
| 89 | BATT SENS | Battery voltage sensor | I | 5.1 | 5.1 | 5.1 |
| 90 | ACC SENS | ACC voltage sensor | I | 5.1 | 5.1 | 5.1 |
| 91 | NC | - | - | - | - | - |
| 92 | NC | - | - | 0 | 0 | 0 |
| 93 | M W U REQ | Wake up request(from display controller) | I | 0 | 0 | 0 |
| 94 | PLL.DO (MI) | PLL data | I | 4.9 | 4.9 | 5 |
| 95 | PLL.DI (MO) | PLL data | O | 0 | 0 | 0 |
| 96 | PLL.CLK | PLL clock | O | 5.1 | 5.1 | 0 |
| 97 | EP DO | Display Control | O | 0 | 4.5 | 4.5 |
| 98 | EP DI | Display Control | I | 0 | 0 | 0 |
| 99 | EP CLK(NC) | - | - | - | - | - |
| 100 | CH DATA | Changer data | I/O | 0 | 0 | 0 |

## 10.2. CD Servo Block

**IC301 : MN101C61GAH**

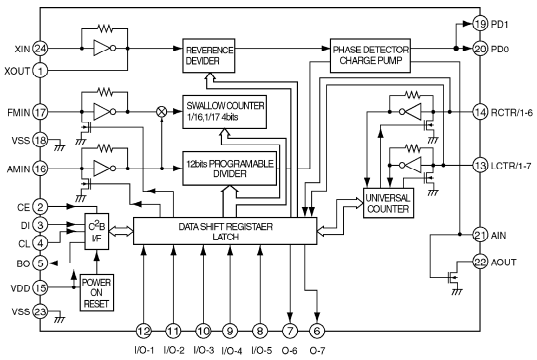
| Pin No. | Port | Description | I/O | (V) |
|---|---|---|---|---|
| 1 | VREF- | Reference supply for AD converter (GND) | - | 0 |
| 2 | Q1 | - | I | 3.1 |
| 3 | SW2 | Disc push SW | I | 3.3 |
| 4 | Q3 | - | I | 2.9 |
| 5 | SW4 | Disc load SW | I | 0 |
| 6 | SW5 | Eject SW | I | 3.3 |
| 7 | Q6 | - | I | 2.3 |
| 8 | OUTC(NC) | - | - | - |
| 9 | VPP(NC) | - | - | - |
| 10 | VREF+ | Reference supply for AD converter (+3.3V) | - | 3.3 |
| 11 | VDD | Power supply (+3.3V) | - | 3.3 |
| 12 | OSC2 | Microcomputer system clock output (7.37MHz) | O | 1.7 |
| 13 | OSC1 | Microcomputer system clock input (7.37MHz) | I | 1.6 |
| 14 | VSS | Ground | - | 0 |
| 15 | XI | Connected GND | - | 0 |
| 16 | XO (NC) | - | - | - |
| 17 | MMOD | Connected GND | - | 0 |
| 18 | (NC) | - | - | - |
| 19 | (NC) | - | - | - |
| 20 | (NC) | - | - | - |
| 21 | M DATA | Microcomputer command data signal | O | 3.2 |
| 22 | STAT | Servo LSI status signal | I | 0.4 |
| 23 | MCLK | Microcomputer command clock signal | O | 3.1 |
| 24 | MLD | Microcomputer command load signal | O | 3.3 |
| 25 | M RESET | Microcomputer reset input | I | 3.3 |
| 26 | RMOLT(NC) | - | - | - |
| 27 | PC1 | Loading driver output cut | O | 0 |
| 28 | TCI02(NC) | - | - | - |
| 29 | MONI | ON/OFF control output of spindle motor | O | 0 |
| 30 | TVDSTP | - | - | 3.2 |
| 31 | BLKCK | BLKCK signal | I | 0 |
| 32 | DÇpSY | CD-TEXT/SUBQ synchronizing signal | I | 0 |
| 33 | IRQ2/P22 | Connected GND | - | 0 |
| 34 | CD ON | Operation mode signal | I | 2.9 |
| 35 | FLAG | FLAG output signal | O | 0 |
| 36 | SB03/P30(NC) | - | - | - |
| 37 | TX TD | - | - | 0 |
| 38 | TX TCK | - | - | 3.3 |
| 39 | BDO | Drop signal output | O | 0 |
| 40 | N TEST | N TEST signal output | O | 3.3 |
| 41 | P35(SCKM) | Serial data shift clock | - | 4 |
| 42 | P36(SIM) | Sereal data input | - | 0.5 |
| 43 | P37(NC) | - | - | - |
| 44 | SOM | Sereal data output | O | 2.4 |
| 45 | SIM | Sereal data input | I | 0.5 |
| 46 | SCKM | Serial data shift clock | I | 4 |
| 47 | TEST1(NC) | - | - | - |
| 48 | TEST2(NC) | - | - | - |
| 49 | TEST3(NC) | - | - | - |
| 50 | TEST4(NC) | - | - | - |
| 51 | N RST | Reset input | I | 3.3 |
| 52 | PHOTO | Photo seser output | O | 0.9 |
| 53 | MUTE | Muting input | I | 3.1 |
| 54 | EXT1 | Vibration detection input | I | 1.6 |

| Pin No. | Port | Description | I/O | (V) |
|---|---|---|---|---|
| 55 | LOD | Loading motor control | I | 1.7 |
| 56 | P54/A17(NC) | - | - | - |
| 57 | P60/A0(NC) | - | - | - |
| 58 | P61/A1(NC) | - | - | - |
| 59 | P62/A2(NC) | - | - | - |
| 60 | P63/A3(NC) | - | - | - |
| 61 | SW5 | Inner track detection | I | 3.3 |
| 62 | P65/A5(NC) | - | - | - |
| 63 | P66/A6(NC) | - | - | - |
| 64 | P67/A7(NC) | - | - | - |
| 65 | P70/SD00(NC) | - | - | - |
| 66 | P71/SD01(NC) | - | - | - |
| 67 | P72/A10/SD02(NC) | - | - | - |
| 68 | P73 | Connected GND | - | 0 |
| 69 | P74 | Connected GND | - | 0 |
| 70 | P75 (NC) | - | - | - |
| 71 | GCTL | RF amplifier gain control | O | 1.6 |
| 72 | SPDCTL | RF amplifier gain control | O | 3.3 |
| 73 | PC2 | Actuator drive control output | O | 3.3 |
| 74 | TRV | Traverse motor control output | O | 1.7 |
| 75 | P85(NC) | - | - | - |
| 76 | P84(NC) | - | - | - |
| 77 | P83(NC) | - | - | - |
| 78 | P82(NC) | - | - | - |
| 79 | P81(NC) | - | - | - |
| 80 | P80(NC) | - | - | - |

# 11. PACKAGE AND IC BLOCK DIAGRAM

## 11.1. Main Block

**IC51 : C1BB00000644**

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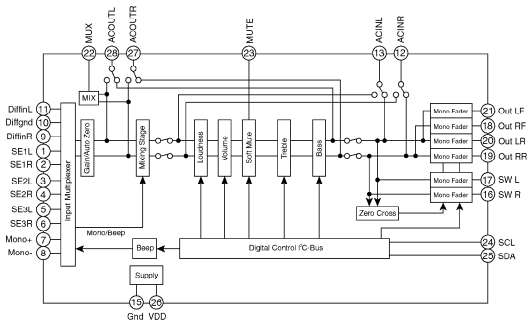


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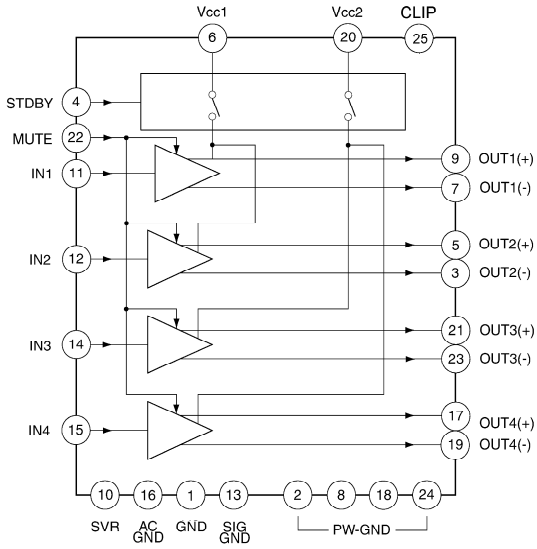
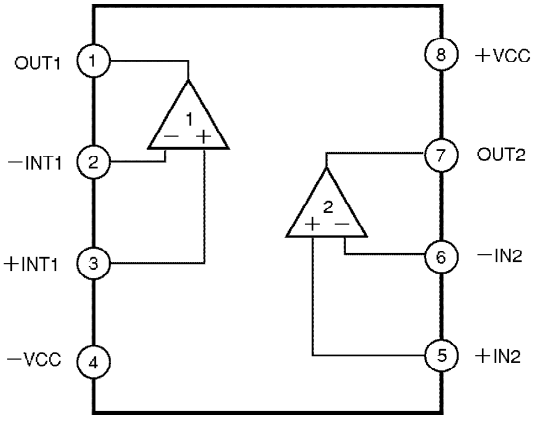



**IC204 : YEAMPC4570T1**

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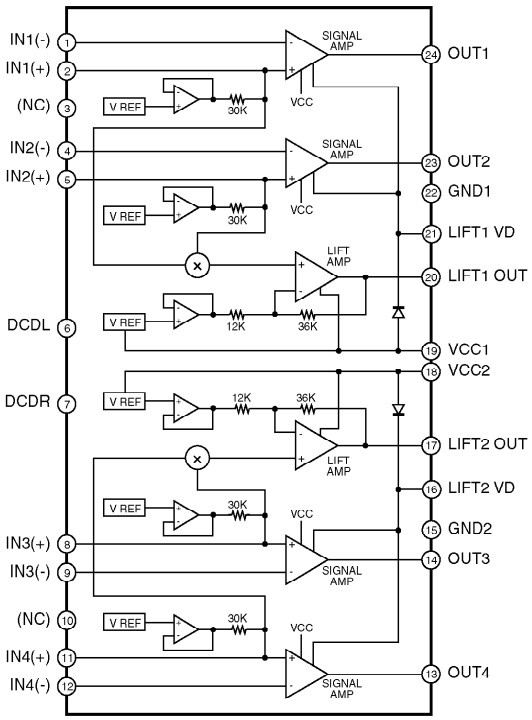
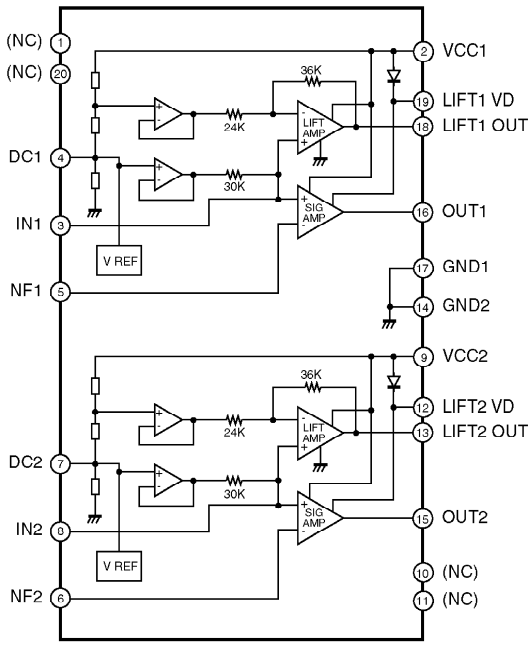
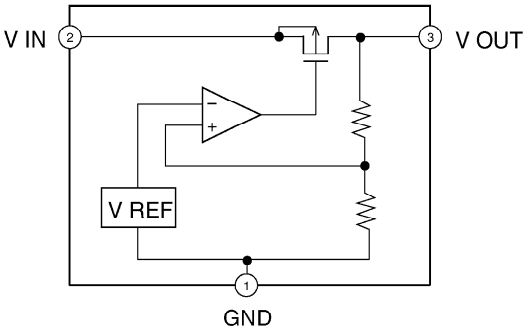


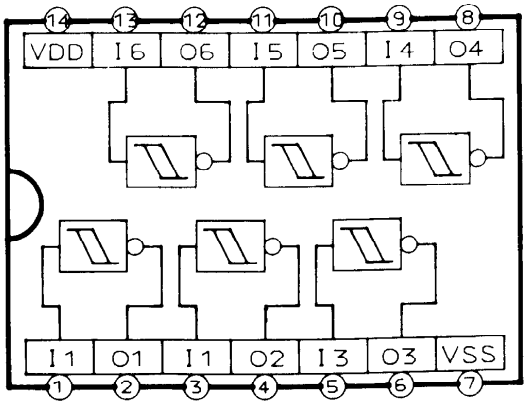

**IC206 : C1BB00000650**



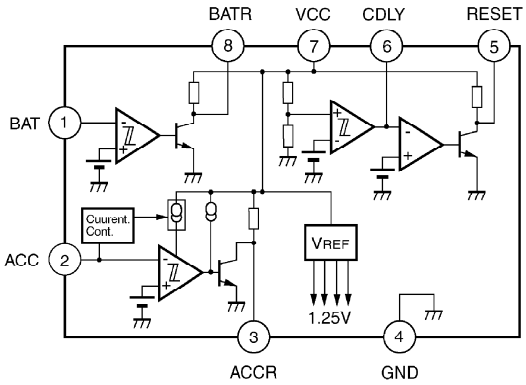

**IC401 : YEAM7200U33T**



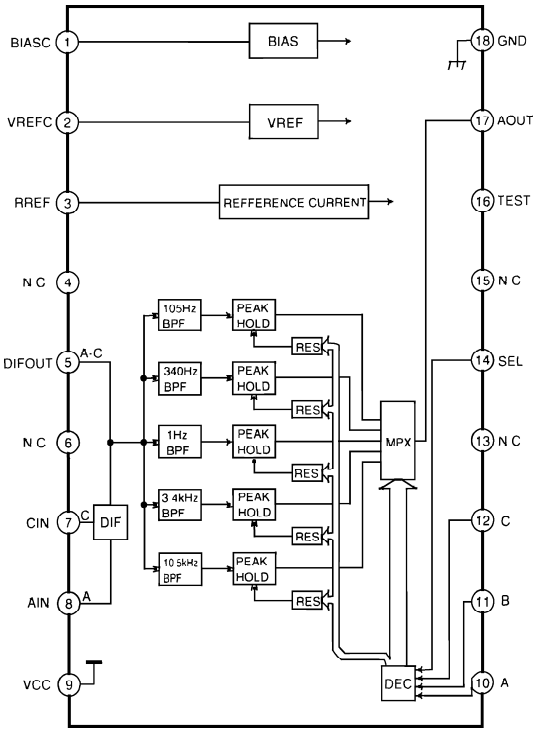

**IC501 : YEAMC14584BE**



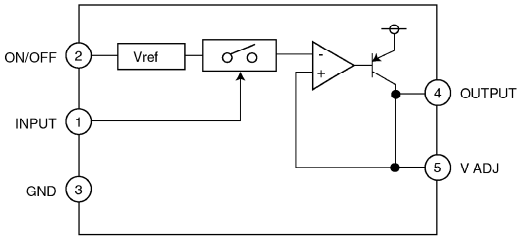

**IC603 : AN8065SE1**



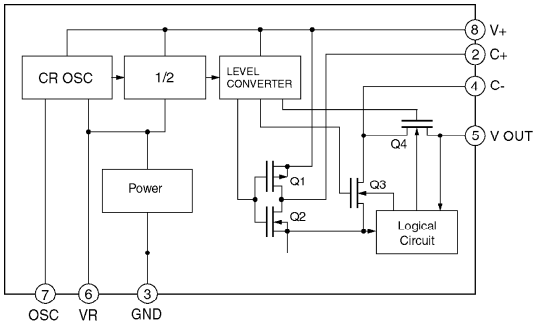

**IC604 : YEAMBA3835FE**




**IC703,704 : C0CAAYG00005**

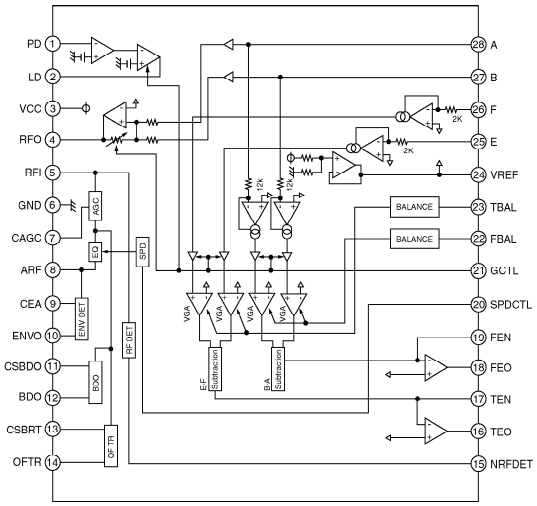



**IC760 : C0DBABZ00002**

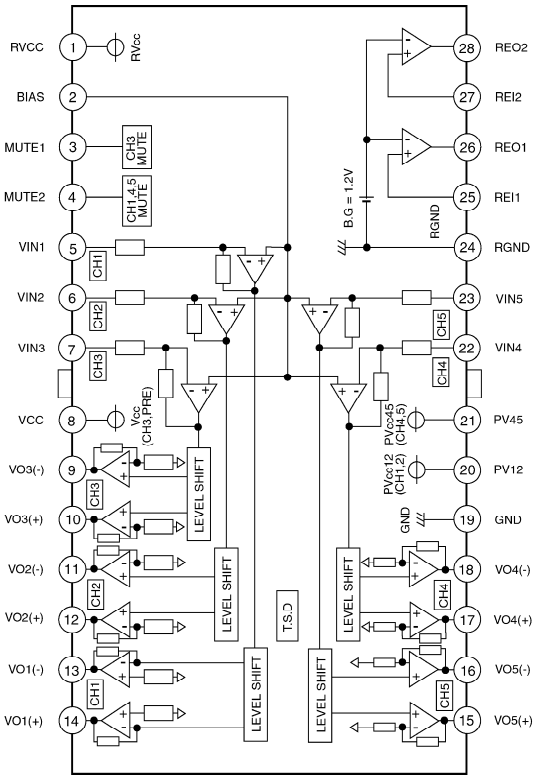



## 11.2. CD Servo Block

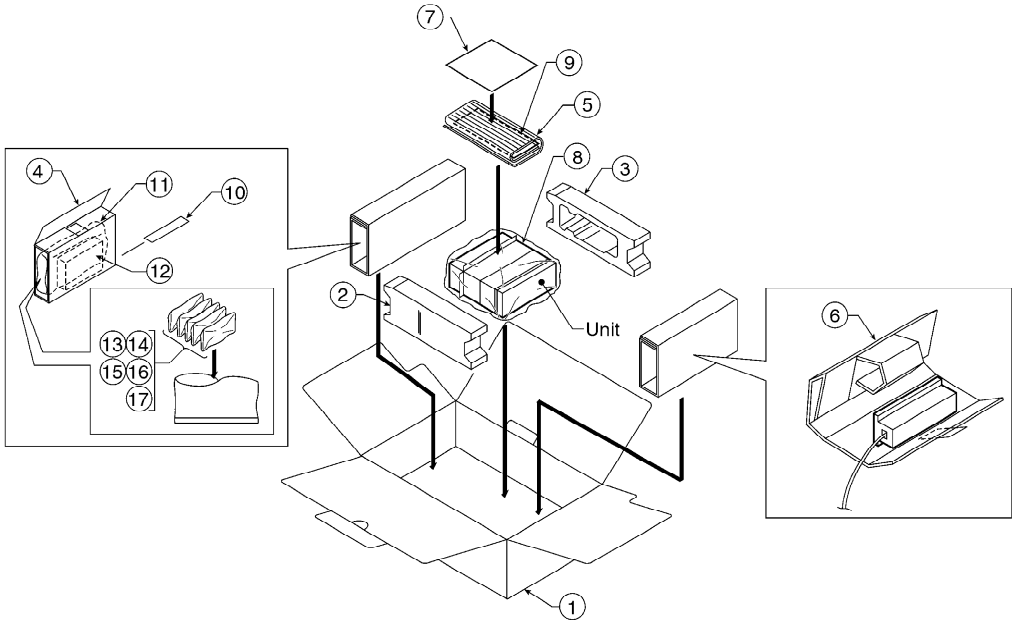
**IC101 : C1BB00000624**




**IC901 : C0GBY0000012**




# 12. PACKING PARTS LIST




**- Item numbers listed below should not order regular spare parts. (not available)**

| Item No. | Parts No. | Parts Name & Description | Q'ty | Remarks |
|---|---|---|---|---|
| 1 | - | Inner Carton | 1 | Not available |
| 2 | - | Packing Pad (L) | 1 | Not available |
| 3 | - | Packing Pad (R) | 1 | Not available |
| 4 | - | Packing Pad (A) | 1 | Not available |
| 5 | - | Packing Pad (B) | 1 | Not available |
| 6 | - | Packing Pad (C) | 1 | Not available |
| 7 | - | Operating Instructions Kit | (1) | Not available |
| | YEFM283952 | Operating Instructions | (1) | |
| | YEFM261410 | Operating Guide for Sirius | (1) | |
| | YEFM022538 | Operation Guide | (1) | |
| | | Warranty Card for USA | (1) | Not available |
| | | Warranty Card for Canada | (1) | Not available |
| | | Service Center List for USA | (1) | Not available |
| 8 | YEFX0215873 | Mounting Collar | 1 | |
| 9 | YEFC05588A | Trim Plate | 1 | |
| 10 | YEFG04019 | Rear Support Strap | 1 | |
| 11 | YEAJ02871 | Power Connector | 1 | |
| 12 | YEFA131617 | Removable Face Plate Case | 1 | |
| 13 | YEFX9992684 | Remote Control Unit | 1 | |
| 14 | YEFX9991793 | Cleaning Cloth | 1 | |
| 15 | YEP9FZ3157 | Mounting Bracket | 1 | |
| 16 | YEP0FZ3158 | Screws Kit | 1 | |
| 17 | CR2025/1F | Lithium Battery | 1 | |

# 13. REPLACEMENT PARTS LIST

**Notes :**

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

    **- Order intake period is basically six months after the first shipment.**

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| [E-6922] Main Block | | | |
| IC's and TRANSISTORs | | | |
| IC51 | C1BB00000644 | IC | |
| IC201 | C1EA00000029 | IC | |
| IC202 | C1BB00000543 | IC | |
| IC204 | YEAMPC4570T1 | IC | |
| IC205 | C1BB00000649 | IC | |
| IC206 | C1BB00000650 | IC | |
| IC401 | YEAM7200U33T | IC | |
| IC402 | YEAMT7ST32UL | IC | |
| IC501 | YEAMC14584BE | IC | |
| IC601 | C2DBKJ000127 | IC | |
| IC603 | AN8065SE1 | IC | |
| IC604 | YEAMBA3835FE | IC | |
| IC702 | C0CBBFG00001 | IC | |
| IC703 | C0CAAYG00005 | IC | |
| IC704 | C0CAAYG00005 | IC | |
| IC705 | YEAMPC7805H | IC | |
| IC760 | C0DBABZ00002 | IC | |
| IC951 | YEAMT7ST32UL | IC | |
| PA51 | C5BA00000109 | IC | |
| Q61 | YEAN2SK536TB | Transistor | |
| Q62 | B1GDCFJJ0002 | Transistor | |
| Q63 | B1GBCFNN0004 | Transistor | |
| Q64 | YEANFP1F3PT1 | Transistor | |
| Q201 | B1GBHBEA0004 | Transistor | |
| Q202 | B1GBHBEA0004 | Transistor | |
| Q203 | B1GDCFJJ0002 | Transistor | |
| Q204 | B1GDCFJJ0002 | Transistor | |
| Q251 | B1GBHBEA0004 | Transistor | |
| Q252 | B1GDCFJJ0002 | Transistor | |
| Q301 | B1GBHBEA0004 | Transistor | |
| Q302 | B1GBHBEA0004 | Transistor | |
| Q303 | B1GDCFJJ0002 | Transistor | |
| Q304 | B1GDCFJJ0002 | Transistor | |
| Q401 | B1GBCFNN0004 | Transistor | |
| Q603 | B1GDCFJJ0002 | Transistor | |
| Q604 | B1GBHBEA0004 | Transistor | |
| Q605 | B1GDCFJJ0002 | Transistor | |
| Q701 | B1BBAC000007 | Transistor | |
| Q702 | B1BBAC000007 | Transistor | |
| Q703 | YEANHQ1F3PT1 | Transistor | |
| Q704 | YEANC114YKX | Transistor | |
| Q705 | 2SD2139TA | Transistor | |
| Q706 | B1BBAC000007 | Transistor | |
| Q707 | B1BBAC000007 | Transistor | |
| Q710 | B1GBCFNN0004 | Transistor | |
| Q711 | B1GBCFNN0004 | Transistor | |
| Q712 | YEANFP1F3PT1 | Transistor | |
| Q713 | YEANC114YKX | Transistor | |
| Q714 | B1GBCFNN0004 | Transistor | |
| Q715 | B1GBCFNN0004 | Transistor | |
| Q716 | B1GBCFNN0004 | Transistor | |
| Q717 | B1GBCFNN0004 | Transistor | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| Q718 | B1GBCFNN0004 | Transistor | |
| Q719 | B1GBCFNN0004 | Transistor | |
| Q720 | B1GBCFNN0004 | Transistor | |
| Q721 | YEANC114YKX | Transistor | |
| Q722 | YEANHQ1F3PT1 | Transistor | |
| Q723 | YEANC114YKX | Transistor | |
| Q724 | YEANHQ1F3PT1 | Transistor | |
| Q725 | YEANC114YKX | Transistor | |
| Q726 | YEANHQ1F3PT1 | Transistor | |
| Q727 | YEANC114YKX | Transistor | |
| Q751 | B1GBCFNN0004 | Transistor | |
| Q752 | YEANC114YKX | Transistor | |
| Q753 | B1GBCFNN0004 | Transistor | |
| Q801 | B1GDCFJJ0002 | Transistor | |
| Q802 | B1GDCFJJ0002 | Transistor | |
| | | | |
| | | | |
| DIODEs | | | |
| D501 | MA721TX | Diode | |
| D502 | MA3X152A0L | Diode | |
| D701 | YEADDAM3MA47 | Diode | |
| D702 | MA721TX | Diode | |
| D703 | YEADRD56M3T1 | Diode | |
| D704 | MA721TX | Diode | |
| D705 | MA721TX | Diode | |
| D706 | MA721TX | Diode | |
| D708 | MA736TX | Diode | |
| D709 | YEADRD82M1T1 | Diode | |
| D710 | MA3X152K0L | Diode | |
| D711 | B0BC9R600001 | Diode | |
| D712 | MA721TX | Diode | |
| D713 | YEADRD91JS1T | Diode | |
| D714 | YEADRD56M2T1 | Diode | |
| D721 | MA736TX | Diode | |
| D722 | MA736TX | Diode | |
| D723 | MA736TX | Diode | |
| D724 | MA736TX | Diode | |
| D725 | MA736TX | Diode | |
| D726 | MA736TX | Diode | |
| D727 | MA736TX | Diode | |
| D728 | MA736TX | Diode | |
| D763 | MA3X74000L | Diode | |
| | | | |
| | | | |
| CAPACITORs | | | |
| C52 | YECUS1H103KX | Ceramic, 0.01 μ F 50WV | |
| C53 | YECUS1H103KX | Ceramic, 0.01 μ F 50WV | |
| C54 | ECEA1AKS221I | Electrolytic, 220 μ F 10WV | |
| C55 | YECUS1H273KX | Ceramic, 0.027 μ F 50WV | |
| C56 | YECUS1H273KX | Ceramic, 0.027 μ F 50WV | |
| C57 | YECUS1H102KX | Ceramic, 0.001 μ F 50WV | |
| C59 | ECEA1AKS221I | Electrolytic, 220 μ F 10WV | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C60 | ECEA1AKS221I | Electrolytic, 220 μ F 10WV | |
| C61 | ECEA1AKS221I | Electrolytic, 220 μ F 10WV | |
| C62 | YECUZ1H103KX | Ceramic, 0.01 μ F 50WV | |
| C63 | ECQV1H224B46 | Plastic Film, 0.22 μ F 50WV | |
| C64 | YECUZ1E223KX | Ceramic, 0.022 μ F 25WV | |
| C65 | F1J1H101A672 | Ceramic, 100PF 50WV | |
| C66 | F2A0J101A164 | Electrolytic, 100 μ F 6.3WV | |
| C67 | YECUS1H103KX | Ceramic, 0.01 μ F 50WV | |
| C68 | F1J1H120A025 | Ceramic, 12PF 50WV | |
| C69 | F1J1H120A025 | Ceramic, 12PF 50WV | |
| C78 | YECUS1H470JC | Ceramic, 47PF 50WV | |
| C81 | F3F1E105A001 | Tantalum, 1 μ F 25WV | |
| C201 | F1J1H152A675 | Ceramic, 0.0015 μ F 50WV | |
| C202 | F1J1H152A675 | Ceramic, 0.0015 μ F 50WV | |
| C203 | F2A1H1R0A154 | Electrolytic, 1 μ F 50WV | |
| C204 | F2A1H1R0A154 | Electrolytic, 1 μ F 50WV | |
| C205 | ECEA1HKSR33I | Electrolytic, 0.33 μ F 50WV | |
| C206 | F2A1H1R0A154 | Electrolytic, 1 μ F 50WV | |
| C207 | F2A1H2R2A154 | Electrolytic, 2.2 μ F 50WV | |
| C208 | F2A1H3R3A154 | Electrolytic, 3.3 μ F 50WV | |
| C209 | F2A1H3R3A154 | Electrolytic, 3.3 μ F 50WV | |
| C210 | F2A1H3R3A154 | Electrolytic, 3.3 μ F 50WV | |
| C211 | F2A1H3R3A154 | Electrolytic, 3.3 μ F 50WV | |
| C212 | F1J1H221A665 | Ceramic, 220PF 50WV | |
| C213 | F1J1H221A665 | Ceramic, 220PF 50WV | |
| C214 | ECEA1HKSR47I | Electrolytic, 0.47 μ F 50WV | |
| C215 | ECEA1HKSR47I | Electrolytic, 0.47 μ F 50WV | |
| C216 | F1J1H472A675 | Ceramic, 0.0047 μ F 50WV | |
| C217 | F1J1H472A675 | Ceramic, 0.0047 μ F 50WV | |
| C218 | YECUS1E104ZF | Ceramic, 0.1 μ F 25WV | |
| C250 | F2A1H3R3A154 | Electrolytic, 3.3 μ F 50WV | |
| C252 | F1J1C184A006 | Ceramic, 0.18 μ F 16WV | |
| C253 | YECUZ1C823KX | Ceramic, 0.082 μ F 16WV | |
| C256 | F1J1C184A006 | Ceramic, 0.18 μ F 16WV | |
| C257 | YECUZ1H103KX | Ceramic, 0.01 μ F 50WV | |
| C259 | F2A1H3R3A154 | Electrolytic, 3.3 μ F 50WV | |
| C263 | F2A1H1R0A154 | Electrolytic, 1 μ F 50WV | |
| C264 | ECEA1CKS100I | Electrolytic, 10 μ F 16WV | |
| C265 | YECUS1C104KX | Ceramic, 0.1 μ F 16WV | |
| C266 | ECEA1AKS221I | Electrolytic, 220 μ F 10WV | |
| C267 | F2A1C470A150 | Electrolytic, 47 μ F 16WV | |
| C268 | F1J1H152A675 | Ceramic, 0.0015 μ F 50WV | |
| C269 | F2A1C101A150 | Electrolytic, 100 μ F 16WV | |
| C270 | YECUZ1H103KX | Ceramic, 0.01 μ F 50WV | |
| C271 | ECEA1AKS221I | Electrolytic, 220 μ F 10WV | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C272 | ECA1EDT222L | Electrolytic, 2200 μ F 25WV | |
| C273 | ECEA1CKS100I | Electrolytic, 10 μ F 16WV | |
| C274 | F2A1H2R2A154 | Electrolytic, 2.2 μ F 50WV | |
| C275 | ECEA1AKS470I | Electrolytic, 47 μ F 10WV | |
| C276 | F2A1H1R0A154 | Electrolytic, 1 μ F 50WV | |
| C278 | F1J1H152A675 | Ceramic, 0.0015 μ F 50WV | |
| C279 | F2A1C101A150 | Electrolytic, 100 μ F 16WV | |
| C280 | ECEA1AKS221I | Electrolytic, 220 μ F 10WV | |
| C281 | YECUS1H103KX | Ceramic, 0.01 μ F 50WV | |
| C282 | F2A1C470A150 | Electrolytic, 47 μ F 16WV | |
| C283 | F1J1H221A665 | Ceramic, 220PF 50WV | |
| C284 | F1J1H221A665 | Ceramic, 220PF 50WV | |
| C285 | F1J1H221A665 | Ceramic, 220PF 50WV | |
| C301 | F1J1H152A675 | Ceramic, 0.0015 μ F 50WV | |
| C302 | F1J1H152A675 | Ceramic, 0.0015 μ F 50WV | |
| C303 | F2A1H1R0A154 | Electrolytic, 1 μ F 50WV | |
| C304 | F2A1H1R0A154 | Electrolytic, 1 μ F 50WV | |
| C305 | ECEA1HKSR33I | Electrolytic, 0.33 μ F 50WV | |
| C306 | F2A1H1R0A154 | Electrolytic, 1 μ F 50WV | |
| C307 | F2A1H2R2A154 | Electrolytic, 2.2 μ F 50WV | |
| C308 | F2A1H3R3A154 | Electrolytic, 3.3 μ F 50WV | |
| C309 | F2A1H3R3A154 | Electrolytic, 3.3 μ F 50WV | |
| C310 | F2A1H3R3A154 | Electrolytic, 3.3 μ F 50WV | |
| C311 | F2A1H3R3A154 | Electrolytic, 3.3 μ F 50WV | |
| C312 | F1J1H221A665 | Ceramic, 220PF 50WV | |
| C313 | F1J1H221A665 | Ceramic, 220PF 50WV | |
| C314 | ECEA1HKSR47I | Electrolytic, 0.47 μ F 50WV | |
| C315 | ECEA1HKSR47I | Electrolytic, 0.47 μ F 50WV | |
| C316 | F1J1H472A675 | Ceramic, 0.0047 μ F 50WV | |
| C317 | F1J1H472A675 | Ceramic, 0.0047 μ F 50WV | |
| C368 | F1J1H152A675 | Ceramic, 0.0015 μ F 50WV | |
| C369 | F2A1C101A150 | Electrolytic, 100 μ F 16WV | |
| C383 | F1J1H221A665 | Ceramic, 220PF 50WV | |
| C384 | F1J1H221A665 | Ceramic, 220PF 50WV | |
| C385 | F1J1H221A665 | Ceramic, 220PF 50WV | |
| C401 | YECUS1H103KX | Ceramic, 0.01 μ F 50WV | |
| C405 | YECUS1H103KX | Ceramic, 0.01 μ F 50WV | |
| C406 | ECEA0JKS220I | Electrolytic, 22 μ F 6.3WV | |
| C407 | YECUS1C224KX | Ceramic, 0.22 μ F 16WV | |
| C408 | YECUS1C224KX | Ceramic, 0.22 μ F 16WV | |
| C409 | YECUS1H103KX | Ceramic, 0.01 μ F 50WV | |
| C501 | F2A0J470A164 | Electrolytic, 47 μ F 6.3WV | |
| C502 | YECUS1H103KX | Ceramic, 0.01 μ F 50WV | |
| C601 | EECS0HD473H | Electrolytic, 47 μ F 5.5WV | |
| C602 | F2A0J331A164 | Electrolytic, 330 μ F 6.3WV | |
| C603 | F2A1H2R2A154 | Electrolytic, 2.2 μ F 50WV | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C604 | F1H1H100A226 | Ceramic, 10PF 50WV | |
| C605 | F1H1H120A231 | Ceramic, 12PF 50WV | |
| C606 | YECUZ1C104KX | Ceramic, 0.1 μ F 16WV | |
| C607 | YECUZ1H103KX | Ceramic, 0.01 μ F 50WV | |
| C608 | YECUZ1C104KX | Ceramic, 0.1 μ F 16WV | |
| C609 | YECUZ1C104KX | Ceramic, 0.1 μ F 16WV | |
| C610 | YECUS1H103KX | Ceramic, 0.01 μ F 50WV | |
| C611 | YECUS1C104KX | Ceramic, 0.1 μ F 16WV | |
| C612 | YECUZ1C104KX | Ceramic, 0.1 μ F 16WV | |
| C613 | YECUS1C104KX | Ceramic, 0.1 μ F 16WV | |
| C614 | F2A1H1R0A154 | Electrolytic, 1 μ F 50WV | |
| C616 | YECUZ1H103KX | Ceramic, 0.01 μ F 50WV | |
| C681 | YECUS1H103KX | Ceramic, 0.01 μ F 50WV | |
| C682 | YECUS1C104KX | Ceramic, 0.1 μ F 16WV | |
| C683 | YECUS1C104KX | Ceramic, 0.1 μ F 16WV | |
| C686 | YECUS1C104KX | Ceramic, 0.1 μ F 16WV | |
| C687 | YECUS1C104KX | Ceramic, 0.1 μ F 16WV | |
| C701 | ECA1CM471 | Electrolytic, 470 μ F 16WV | |
| C703 | F2A1H4R7A154 | Electrolytic, 4.7 μ F 50WV | |
| C704 | F2A0J470A164 | Electrolytic, 47 μ F 6.3WV | |
| C705 | ECA1CDT222U | Electrolytic, 2200 μ F 16WV | |
| C706 | F2A1A101A144 | Electrolytic, 100 μ F 10WV | |
| C707 | YECUS1H103KX | Ceramic, 0.01 μ F 50WV | |
| C708 | F2A1A101A144 | Electrolytic, 100 μ F 10WV | |
| C709 | ECEA1AKS221I | Electrolytic, 220 μ F 10WV | |
| C710 | YECUZ1H103KX | Ceramic, 0.01 μ F 50WV | |
| C712 | YECUS1H103KX | Ceramic, 0.01 μ F 50WV | |
| C713 | EEAFC1A820H | Electrolytic, 82 μ F 10WV | |
| C714 | ECEA1CKS100I | Electrolytic, 10 μ F 16WV | |
| C715 | YECUZ1H103KX | Ceramic, 0.01 μ F 50WV | |
| C716 | YECUS1E224ZF | Ceramic, 0.22 μ F 25WV | |
| C717 | YECUS1C224KX | Ceramic, 0.22 μ F 16WV | |
| C718 | ECEA1AKS470I | Electrolytic, 47 μ F 10WV | |
| C722 | YECUS1C104KX | Ceramic, 0.1 μ F 16WV | |
| C723 | YECUS1C104KX | Ceramic, 0.1 μ F 16WV | |
| C724 | YECUZ1H103KX | Ceramic, 0.01 μ F 50WV | |
| C725 | YECUS1C104KX | Ceramic, 0.1 μ F 16WV | |
| C726 | F1J1C184A006 | Ceramic, 0.18 μ F 16WV | |
| C728 | YECUS1C474KX | Ceramic, 0.47 μ F 16WV | |
| C729 | YECUZ1E104ZF | Ceramic, 0.1 μ F 25WV | |
| C751 | YECUS1E224ZF | Ceramic, 0.22 μ F 25WV | |
| C752 | EEAFC1C560H | Electrolytic, 56 μ F 16WV | |
| C757 | YECUS1C334KX | Ceramic, 0.33 μ F 16WV | |
| C758 | YECUS1C334KX | Ceramic, 0.33 μ F 16WV | |
| C759 | F2A0J101A164 | Electrolytic, 100 μ F 6.3WV | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C760 | YECUS1H103KX | Ceramic, 0.01 μF 50WV | |
| C761 | F2A1C101A150 | Electrolytic, 100 μF 16WV | |
| C762 | YECUS1E104ZF | Ceramic, 0.1 μF 25WV | |
| C763 | ECEA1VKS100I | Electrolytic, 10 μF 35WV | |
| C764 | YECUZ1E104ZF | Ceramic, 0.1 μF 25WV | |
| C765 | ECEA1VKS100I | Electrolytic, 10 μF 35WV | |
| C766 | F2A1H4R7A154 | Electrolytic, 4.7 μF 50WV | |
| C771 | F1K1E334A022 | Ceramic, 0.33 μF 25WV | |
| C772 | EEAFC1C560H | Electrolytic, 56 μF 16WV | |
| C773 | YECUX1C334KX | Ceramic, 0.33 μF 16WV | |
| | | | |
| | | | |
| RESISTORs | | | |
| J400 | ERJ8GX0R00V | Chip, 0 Ω 1/8W | |
| J401 | ERJ8GX0R00V | Chip, 0 Ω 1/8W | |
| J402 | ERJ8GX0R00V | Chip, 0 Ω 1/8W | |
| J403 | ERJ8GX0R00V | Chip, 0 Ω 1/8W | |
| J404 | ERJ8GX0R00V | Chip, 0 Ω 1/8W | |
| J405 | ERJ8GX0R00V | Chip, 0 Ω 1/8W | |
| J406 | ERJ8GX0R00V | Chip, 0 Ω 1/8W | |
| J407 | ERJ8GX0R00V | Chip, 0 Ω 1/8W | |
| J410 | ERJ8GX0R00V | Chip, 0 Ω 1/8W | |
| J412 | ERJ8GX0R00V | Chip, 0 Ω 1/8W | |
| J413 | ERJ8GX0R00V | Chip, 0 Ω 1/8W | |
| J414 | ERJ8GX0R00V | Chip, 0 Ω 1/8W | |
| J415 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J416 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J420 | ERJ8GX0R00V | Chip, 0 Ω 1/8W | |
| J500 | ERJ6GEY0R00V | Chip, 0 Ω 1/10W | |
| J501 | ERJ6GEY0R00V | Chip, 0 Ω 1/10W | |
| J502 | ERJ6GEY0R00V | Chip, 0 Ω 1/10W | |
| J503 | ERJ6GEY0R00V | Chip, 0 Ω 1/10W | |
| J504 | ERJ6GEY0R00V | Chip, 0 Ω 1/10W | |
| R50 | ERJ6GEYJ5R6 | Chip, 5.6 Ω 1/10W | |
| R53 | ERJ3GEYJ101V | Chip, 100 Ω 1/16W | |
| R54 | ERJ6GEYJ221 | Chip, 220 Ω 1/10W | |
| R55 | ERJ8GX0R00V | Chip, 0 Ω 1/8W | |
| R56 | ERJ6GEY0R00V | Chip, 0 Ω 1/10W | |
| R59 | ERJ6GEYJ393 | Chip, 39k Ω 1/10W | |
| R61 | ERJ6GEYJ104 | Chip, 100k Ω 1/10W | |
| R62 | ERJ3GEYJ561V | Chip, 560 Ω 1/16W | |
| R63 | ERJ3GEYJ182V | Chip, 1.8k Ω 1/16W | |
| R64 | ERJ6GEYJ100 | Chip, 10 Ω 1/10W | |
| R65 | ERJ6GEYJ473 | Chip, 47k Ω 1/10W | |
| R66 | ERJ3GEYJ152V | Chip, 1.5k Ω 1/16W | |
| R67 | ERJ6GEYJ473 | Chip, 47k Ω 1/10W | |
| R68 | ERJ6GEYJ222 | Chip, 2.2k Ω 1/10W | |
| R73 | ERJ6GEY0R00V | Chip, 0 Ω 1/10W | |
| R76 | ERJ6GEY0R00V | Chip, 0 Ω 1/10W | |
| R78 | ERJ6GEY0R00V | Chip, 0 Ω 1/10W | |

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| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R81 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R82 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R83 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R84 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R85 | ERJ6GEYJ221 | Chip, 220 Ω 1/10W | |
| R86 | ERJ6GEYJ221 | Chip, 220 Ω 1/10W | |
| R87 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R88 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R89 | ERJ3GEY0R00V | Chip, 1k Ω 1/16W | |
| R201 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R202 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R203 | ERJ6GEYJ563 | Chip, 56k Ω 1/10W | |
| R204 | ERJ6GEYJ562 | Chip, 5.6k Ω 1/10W | |
| R205 | ERJ6GEYJ103 | Chip, 10k Ω 1/10W | |
| R206 | ERJ6GEYJ472 | Chip, 4.7k Ω 1/10W | |
| R207 | ERJ6GEYJ123 | Chip, 12k Ω 1/10W | |
| R208 | ERJ6GEYJ183 | Chip, 18k Ω 1/10W | |
| R211 | ERJ3GEYJ273V | Chip, 27k Ω 1/16W | |
| R212 | ERJ6GEYJ273 | Chip, 27k Ω 1/10W | |
| R213 | ERJ3GEYJ393V | Chip, 39k Ω 1/16W | |
| R214 | ERJ3GEYJ393V | Chip, 39k Ω 1/16W | |
| R215 | ERJ6GEYJ560 | Chip, 56 Ω 1/10W | |
| R216 | ERJ6GEYJ560 | Chip, 56 Ω 1/10W | |
| R217 | ERJ3GEYJ103V | Chip, 10k Ω 1/16W | |
| R220 | ERJ3GEYJ103V | Chip, 10k Ω 1/16W | |
| R221 | ERJ3GEYJ561V | Chip, 560 Ω 1/16W | |
| R222 | ERJ3GEYJ561V | Chip, 560 Ω 1/16W | |
| R231 | ERJ3GEYJ100V | Chip, 10 Ω 1/16W | |
| R232 | ERJ6GEYJ100 | Chip, 10 Ω 1/10W | |
| R250 | ERJ3GEYJ224V | Chip, 220k Ω 1/16W | |
| R251 | ERJ3GEYJ223V | Chip, 22k Ω 1/16W | |
| R253 | ERJ3GEYJ103V | Chip, 10k Ω 1/16W | |
| R255 | ERJ3GEYJ103V | Chip, 10k Ω 1/16W | |
| R256 | ERJ6GEY0R00V | Chip, 0 Ω 1/10W | |
| R262 | ERJ6GEYJ393 | Chip, 39k Ω 1/10W | |
| R263 | ERJ6GEYJ273 | Chip, 27k Ω 1/10W | |
| R264 | ERJ6GEYJ560 | Chip, 56 Ω 1/10W | |
| R265 | ERJ6GEYJ223 | Chip, 22k Ω 1/10W | |
| R270 | ERJ6GEY0R00V | Chip, 0 Ω 1/10W | |
| R301 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R302 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R303 | ERJ6GEYJ563 | Chip, 56k Ω 1/10W | |
| R304 | ERJ6GEYJ562 | Chip, 5.6k Ω 1/10W | |
| R305 | ERJ6GEYJ103 | Chip, 10k Ω 1/10W | |
| R306 | ERJ6GEYJ472 | Chip, 4.7k Ω 1/10W | |
| R307 | ERJ6GEYJ123 | Chip, 12k Ω 1/10W | |
| R308 | ERJ6GEYJ183 | Chip, 18k Ω 1/10W | |
| R311 | ERJ3GEYJ273V | Chip, 27k Ω 1/16W | |
| R312 | ERJ6GEYJ273 | Chip, 27k Ω 1/10W | |
| R313 | ERJ3GEYJ393V | Chip, 39k Ω 1/16W | |
| R314 | ERJ3GEYJ393V | Chip, 39k Ω 1/16W | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R315 | ERJ6GEYJ560 | Chip, 56Ω 1/10W | |
| R316 | ERJ6GEYJ560 | Chip, 56Ω 1/10W | |
| R317 | ERJ3GEYJ103V | Chip, 10kΩ 1/16W | |
| R320 | ERJ3GEYJ103V | Chip, 10kΩ 1/16W | |
| R321 | ERJ3GEYJ561V | Chip, 560Ω 1/16W | |
| R322 | ERJ3GEYJ561V | Chip, 560Ω 1/16W | |
| R351 | ERJ3GEYJ223V | Chip, 22kΩ 1/16W | |
| R401 | ERJ6GEYJ222 | Chip, 2.2kΩ 1/10W | |
| R402 | ERJ6GEYJ222 | Chip, 2.2kΩ 1/10W | |
| R403 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R404 | ERJ6GEYJ222 | Chip, 2.2kΩ 1/10W | |
| R405 | ERJ6GEYJ222 | Chip, 2.2kΩ 1/10W | |
| R407 | ERJ6GEYJ332 | Chip, 3.3kΩ 1/10W | |
| R408 | ERJ6GEYJ332 | Chip, 3.3kΩ 1/10W | |
| R409 | ERJ6GEYJ332 | Chip, 3.3kΩ 1/10W | |
| R410 | ERJ6GEYJ332 | Chip, 3.3kΩ 1/10W | |
| R412 | ERJ6GEYJ333 | Chip, 33kΩ 1/10W | |
| R501 | ERJ3GEYJ102V | Chip, 1kΩ 1/16W | |
| R502 | ERJ3GEYJ102V | Chip, 1kΩ 1/16W | |
| R503 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R504 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R505 | ERJ6GEYJ104 | Chip, 100kΩ 1/10W | |
| R506 | ERJ6GEYJ104 | Chip, 100kΩ 1/10W | |
| R507 | ERJ6GEYJ104 | Chip, 100kΩ 1/10W | |
| R508 | ERJ6GEYJ104 | Chip, 100kΩ 1/10W | |
| R601 | ERJ3GEY0R00V | Chip, 0Ω 1/16W | |
| R603 | ERJ3GEYJ102V | Chip, 1kΩ 1/16W | |
| R604 | ERJ3GEYJ102V | Chip, 1kΩ 1/16W | |
| R605 | ERJ3GEYJ102V | Chip, 1kΩ 1/16W | |
| R606 | ERJ3GEYJ102V | Chip, 1kΩ 1/16W | |
| R607 | ERJ3GEYJ102V | Chip, 1kΩ 1/16W | |
| R608 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R609 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R610 | ERJ3GEYJ102V | Chip, 1kΩ 1/16W | |
| R611 | ERJ3GEYJ102V | Chip, 1kΩ 1/16W | |
| R612 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R613 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R614 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R615 | ERJ3GEYJ102V | Chip, 1kΩ 1/16W | |
| R617 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R618 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R619 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R620 | ERJ3GEYJ102V | Chip, 1kΩ 1/16W | |
| R621 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R622 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R623 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R624 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R625 | ERJ6GEYJ822 | Chip, 8.2kΩ 1/10W | |
| R626 | ERJ6GEYJ333 | Chip, 33kΩ 1/10W | |
| R627 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R628 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R629 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R630 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R631 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R633 | ERJ6GEYJ223 | Chip, 22k Ω 1/10W | |
| R634 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R635 | ERJ3GEYJ472V | Chip, 4.7k Ω 1/16W | |
| R636 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R637 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R638 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R639 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R640 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R641 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R642 | ERJ6GEYJ393 | Chip, 39k Ω 1/10W | |
| R643 | ERJ3GEYJ103V | Chip, 10k Ω 1/16W | |
| R647 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R648 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R649 | ERJ3GEYJ103V | Chip, 10k Ω 1/16W | |
| R650 | ERJ6GEYJ562 | Chip, 5.6k Ω 1/10W | |
| R651 | ERJ3GEYJ473V | Chip, 47k Ω 1/16W | |
| R654 | ERJ6GEYJ104 | Chip, 100k Ω 1/10W | |
| R655 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R656 | ERJ3GEYJ103V | Chip, 10k Ω 1/16W | |
| R658 | ERJ3GEYJ103V | Chip, 10k Ω 1/16W | |
| R662 | ERJ3GEYJ473V | Chip, 47k Ω 1/16W | |
| R664 | ERJ3GEYJ473V | Chip, 47k Ω 1/16W | |
| R666 | ERJ3GEYJ473V | Chip, 47k Ω 1/16W | |
| R671 | ERJ3GEYJ103V | Chip, 10k Ω 1/16W | |
| R672 | ERJ3GEY0R00V | Chip, 0 Ω 1/16W | |
| R674 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R677 | ERJ3GEYJ184V | Chip, 180k Ω 1/16W | |
| R681 | ERJ6GEYJ123 | Chip, 12k Ω 1/10W | |
| R682 | ERJ6GEYJ152 | Chip, 1.5k Ω 1/10W | |
| R683 | ERJ6GEYJ104 | Chip, 100k Ω 1/10W | |
| R691 | ERJ3GEYJ472V | Chip, 4.7k Ω 1/16W | |
| R692 | ERJ6GEY0R00V | Chip, 0 Ω 1/10W | |
| R693 | ERJ6GEYJ473 | Chip, 47k Ω 1/10W | |
| R701 | ERJ6GEYJ4R7 | Chip, 4.7 Ω 1/10W | |
| R702 | ERJ6GEYJ4R7 | Chip, 4.7 Ω 1/10W | |
| R703 | ERJ6GEYJ103 | Chip, 10k Ω 1/10W | |
| R704 | ERJ6GEYJ1R0 | Chip, 1 Ω 1/10W | |
| R705 | ERJ6GEYJ1R0 | Chip, 1 Ω 1/10W | |
| R706 | ERJ6GEYJ821 | Chip, 820 Ω 1/10W | |
| R708 | ERJ6GEYJ821 | Chip, 820 Ω 1/10W | |
| R709 | ERDS1FJ181 | Carbon, 180 Ω 1/2W | |
| R710 | ERJ6GEYJ100 | Chip, 10 Ω 1/10W | |
| R711 | ERJ3GEYJ103V | Chip, 10k Ω 1/16W | |
| R714 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R715 | ERJ6GEYJ104 | Chip, 100k Ω 1/10W | |
| R716 | ERJ6GEYJ104 | Chip, 100k Ω 1/10W | |
| R717 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R718 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R719 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R720 | ERJ6GEYJ271 | Chip, 270 Ω 1/10W | |
| R721 | ERJ6GEYJ271 | Chip, 270 Ω 1/10W | |
| R722 | ERJ6GEYJ333 | Chip, 33k Ω 1/10W | |
| R723 | ERJ6GEYJ224 | Chip, 220k Ω 1/10W | |
| R724 | ERJ6GEYJ393 | Chip, 39k Ω 1/10W | |
| R725 | ERJ6GEYJ224 | Chip, 220k Ω 1/10W | |
| R726 | ERJ6GEYJ433 | Chip, 43k Ω 1/10W | |
| R727 | ERJ6GEYJ223 | Chip, 22k Ω 1/10W | |
| R728 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R729 | ERJ3GEYJ223V | Chip, 22k Ω 1/16W | |
| R731 | ERJ6GEYJ103 | Chip, 10k Ω 1/10W | |
| R742 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R743 | ERJ3GEYJ473V | Chip, 47k Ω 1/16W | |
| R750 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| R751 | ERJ6ENF1202 | Chip, 12k Ω 1/10W | |
| R752 | ERJ6ENF2201 | Chip, 2.2k Ω 1/10W | |
| R753 | ERJ6ENF1303 | Chip, 130k Ω 1/10W | |
| R755 | ERJ6GEY0R00V | Chip, 0 Ω 1/10W | |
| R763 | ERJ3GEYJ101V | Chip, 100 Ω 1/16W | |
| R771 | ERJ6ENF2201 | Chip, 2.2k Ω 1/10W | |
| R772 | ERJ6ENF1303 | Chip, 130k Ω 1/10W | |
| R773 | ERJ6ENF1802 | Chip, 18k Ω 1/10W | |
| R774 | ERJ6ENF6652 | Chip, 66.5k Ω 1/10W | |
| R775 | ERJ6ENF3302 | Chip, 33k Ω 1/10W | |
| R801 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R802 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R804 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R805 | ERJ6GEYJ101 | Chip, 100 Ω 1/10W | |
| R806 | ERJ3GEYJ104V | Chip, 100k Ω 1/16W | |
| R940 | ERJ3GEYJ222V | Chip, 2.2k Ω 1/16W | |
| R943 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R944 | ERJ3GEY0R00V | Chip, 0 Ω 1/16W | |
| R949 | ERJ6GEY0R00V | Chip, 0 Ω 1/10W | |
| R950 | ERJ6GEYJ184 | Chip, 180k Ω 1/10W | |
| R951 | ERJ6GEY0R00V | Chip, 0 Ω 1/10W | |
| R952 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R954 | ERJ3GEYJ101V | Chip, 100 Ω 1/16W | |
| R955 | ERJ3GEYJ101V | Chip, 100 Ω 1/16W | |
| R956 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R957 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R959 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R960 | ERJ3GEYJ184V | Chip, 180k Ω 1/16W | |
| R961 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R962 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
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| | | | |
| CONNECTORs | | | |
| CN401 | YEAE012763 | Connector, 14P | |
| CN501 | K1HA149A0001 | Connector, 7P | |
| CN502 | YEAE012307 | Connector, 8P DIN | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| CN701 | K1FA116B0028 | Connector, 16P | |
| CN801 | YEAE0105MX | Connector, 5P | |
| CN951 | K1MN16B00022 | Connector, 16P | |
| | | | |
| | | | |
| CRYSTALs | | | |
| XL51 | H0D720400006 | Crystal OSC | |
| XL601 | H0J167500009 | Crystal OSC | |
| | | | |
| | | | |
| COILs | | | |
| CF51 | YEXC07T009 | Coil | |
| L50 | G1C150K00011 | Coil | |
| L51 | YELT03N330JT | Coil | |
| L54 | G1CR56K00009 | Coil | |
| L401 | YELT03N330JT | Coil | |
| L601 | YELT03N330JT | Coil | |
| L602 | YELT03N101JT | Coil | |
| L603 | YELT03N101JT | Coil | |
| L605 | YELT03N101JT | Coil | |
| L701 | YELTBL01R1AT | Coil | |
| L702 | YETQ026T164 | Coil | |
| L703 | ELEH330KA | Coil | |
| R75 | YELTBMHS800T | Coil | |
| R218 | G1CYYYZ00003 | Coil | |
| R219 | G1CYYYZ00003 | Coil | |
| R266 | G1CYYYZ00003 | Coil | |
| R271 | G1CYYYZ00003 | Coil | |
| R272 | G1CYYYZ00003 | Coil | |
| R318 | G1CYYYZ00003 | Coil | |
| R319 | G1CYYYZ00003 | Coil | |
| R366 | G1CYYYZ00003 | Coil | |
| R371 | G1CYYYZ00003 | Coil | |
| R372 | G1CYYYZ00003 | Coil | |
| | | | |
| | | | |
| THERMISTORs | | | |
| PT701 | YERT7AR4R7MT | Thermistor | |
| | | | |
| | | | |
| NEON LAMP | | | |
| Z50 | YEAL02010T | Neon Lamp | |
| | | | |
| | | | |
| BUZZER | | | |
| BZ701 | YEXBPKM13EPP | Buzzer | |
| | | | |
| | | | |
| [E9225] Display Block | | | |
| IC's and TRANSISTORs | | | |
| IC900 | C2DBKJ000129 | IC | |
| IC901 | C3FBPD000023 | IC | |
| IC902 | MN1382RTX | IC | |
| IC904 | YEAM7200U33T | IC | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| Q901 | B1GBCFNN0004 | Transistor | |
| Q902 | YEANFP1F3PT1 | Transistor | |
| Q903 | B1GBCFNN0004 | Transistor | |
| Q904 | YEANA114WKTX | Transistor | |
| Q905 | B1GBCFNN0004 | Transistor | |
| Q906 | B1GBCFNN0004 | Transistor | |
| Q915 | B1GBCFNN0004 | Transistor | |
| Q916 | B1GDCFNN0002 | Transistor | |
| Q981 | B1ABCF000044 | Transistor | |
| Q982 | B1ABCF000044 | Transistor | |
| Q983 | B1ABCF000044 | Transistor | |
| | | | |
| | | | |
| DIODEs | | | |
| D901 | MA8056LMHTX | Diode | |
| D902 | MAZ80390LL | Diode | |
| D904 | MA8056LMHTX | Diode | |
| D905 | MA152WATX | Diode | |
| D906 | MA152WKTX | Diode | |
| D914 | MA8056LMHTX | Diode | |
| D915 | MAZ81800ML | Diode | |
| D916 | MA8056LMHTX | Diode | |
| D951 | MA8056LMHTX | Diode | |
| D952 | MA8056LMHTX | Diode | |
| D953 | MA8056LMHTX | Diode | |
| D954 | MA8056LMHTX | Diode | |
| D955 | MA8056LMHTX | Diode | |
| D956 | MA8056LMHTX | Diode | |
| D957 | MA8056LMHTX | Diode | |
| D958 | MA8056LMHTX | Diode | |
| D981 | B3AZB0000024 | LED | |
| D982 | B3AZB0000024 | LED | |
| D983 | B3AZB0000024 | LED | |
| D984 | B3AZB0000024 | LED | |
| D985 | B3AZB0000024 | LED | |
| IC903 | B3MBZ0000006 | LED | |
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| CAPACITORs | | | |
| C901 | YECUS1C105ZF | Ceramic, 1 μ F 16WV | |
| C902 | YECUS1C105ZF | Ceramic, 1 μ F 16WV | |
| C903 | YECUZ1H102KX | Ceramic, 0.001 μ F 50WV | |
| C904 | YECUZ1C104KX | Ceramic, 0.1 μ F 16WV | |
| C905 | YECUZ1C104KX | Ceramic, 0.1 μ F 16WV | |
| C906 | YECUZ1C104KX | Ceramic, 0.1 μ F 16WV | |
| C907 | YECUZ1C104KX | Ceramic, 0.1 μ F 16WV | |
| C908 | ECST1CX106R | Tantalum, 10 μ F 16WV | |
| C909 | F1J1H120A025 | Ceramic, 12PF 50WV | |
| C910 | F1J1H120A025 | Ceramic, 12PF 50WV | |
| C911 | YECUS1C105ZF | Ceramic, 1 μ F 16WV | |
| C912 | YECUZ1C104KX | Ceramic, 0.1 μ F 16WV | |
| C913 | YECUZ1C104KX | Ceramic, 0.1 μ F 16WV | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C914 | YECUZ1C104KX | Ceramic, 0.1 μF 16WV | |
| C922 | ECST1AX226R | Tantalum, 22 μF 10 μF | |
| C923 | YECUZ1C104KX | Ceramic, 0.1 μF 16WV | |
| C924 | ECST1AX226R | Tantalum, 22 μF 10WV | |
| C931 | YECUV1C225KX | Ceramic, 2.2 μF 16WV | |
| C932 | YECUV1C225KX | Ceramic, 2.2 μF 16WV | |
| C933 | YECUV1C225KX | Ceramic, 2.2 μF 16WV | |
| C934 | YECUV1C225KX | Ceramic, 2.2 μF 16WV | |
| C935 | YECUV1C225KX | Ceramic, 2.2 μF 16WV | |
| C936 | YECUV1C225KX | Ceramic, 2.2 μF 16WV | |
| C937 | YECUZ1C104KX | Ceramic, 0.1 μF 16WV | |
| C938 | YECUZ1C104KX | Ceramic, 0.1 μF 16WV | |
| C939 | YECUV1C225KX | Ceramic, 2.2 μF 16WV | |
| C940 | YECUZ1C104KX | Ceramic, 0.1 μF 16WV | |
| C941 | YECUS1C104KX | Ceramic, 0.1 μF 16WV | |
| C942 | YECUV1C225KX | Ceramic, 2.2 μF 16WV | |
| C951 | YECUZ1H182KX | Ceramic, 0.0018 μF 50WV | |
| C952 | YECUZ1H182KX | Ceramic, 0.0018 μF 50WV | |
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| RESISTORs | | | |
| R901 | ERJ3GEYJ473V | Chip, 47k Ω 1/16W | |
| R902 | ERJ3GEYJ122V | Chip, 1.2k Ω 1/16W | |
| R903 | ERJ3GEYJ222V | Chip, 2.2k Ω 1/16W | |
| R904 | ERJ3GEYJ302V | Chip, 3k Ω 1/16W | |
| R905 | ERJ3GEYJ124V | Chip, 120k Ω 1/16W | |
| R906 | ERJ3GEYJ153V | Chip, 15k Ω 1/16W | |
| R907 | ERJ6GEYJ101 | Chip, 100 Ω 1/10W | |
| R909 | ERJ3GEYJ473V | Chip, 47k Ω 1/16W | |
| R910 | ERJ3GEYJ122V | Chip, 1.2k Ω 1/16W | |
| R912 | ERJ3GEYJ473V | Chip, 47k Ω 1/16W | |
| R914 | ERJ3GEYJ221V | Chip, 220 Ω 1/16W | |
| R915 | ERJ3GEYJ221V | Chip, 220 Ω 1/16W | |
| R916 | ERJ3GEYJ302V | Chip, 3k Ω 1/16W | |
| R922 | ERJ3GEYJ302V | Chip, 3k Ω 1/16W | |
| R923 | ERJ3GEYJ182V | Chip, 1.8k Ω 1/16W | |
| R924 | ERJ3GEYJ101V | Chip, 100 Ω 1/16W | |
| R926 | ERJ3GEYJ221V | Chip, 220 Ω 1/16W | |
| R927 | ERJ3GEYJ472V | Chip, 4.7k Ω 1/16W | |
| R928 | ERJ3GEYJ473V | Chip, 47k Ω 1/16W | |
| R929 | ERJ3GEYJ274V | Chip, 270k Ω 1/16W | |
| R931 | ERJ3GEYJ473V | Chip, 47k Ω 1/16W | |
| R951 | ERJ3GEYJ124V | Chip, 120k Ω 1/16W | |
| R952 | ERJ3GEYJ124V | Chip, 120k Ω 1/16W | |
| R962 | ERJ3GEY0R00V | Chip, 0 Ω 1/16W | |
| R967 | ERJ3GEY0R00V | Chip, 0 Ω 1/16W | |
| R969 | ERJ3GEYJ473V | Chip, 47k Ω 1/16W | |
| R970 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R976 | ERJ6GEY0R00V | Chip, 0 Ω 1/10W | |
| R977 | ERJ6GEY0R00V | Chip, 0 Ω 1/10W | |
| R978 | ERJ3GEYJ473V | Chip, 47k Ω 1/16W | |
| R979 | ERJ3GEYJ473V | Chip, 47k Ω 1/16W | |
| R980 | ERJ3GEYJ473V | Chip, 47k Ω 1/16W | |
| R981 | ERJ3GEYJ562V | Chip, 5.6k Ω 1/16W | |
| R982 | ERJ3GEYJ562V | Chip, 5.6k Ω 1/16W | |
| R983 | ERJ3GEYJ562V | Chip, 5.6k Ω 1/16W | |
| R984 | ERJ8GEYJ561V | Chip, 560 Ω 1/8W | |
| R985 | ERJ8GEYJ681V | Chip, 680 Ω 1/8W | |
| R986 | ERJ8GEYJ561V | Chip, 560 Ω 1/8W | |
| R987 | ERJ8GEYJ561V | Chip, 560 Ω 1/8W | |
| R988 | ERJ8GEYJ681V | Chip, 680 Ω 1/8W | |
| R989 | ERJ8GEYJ561V | Chip, 560 Ω 1/8W | |
| R990 | ERJ8GEYJ561V | Chip, 560 Ω 1/8W | |
| R991 | ERJ8GEYJ681V | Chip, 680 Ω 1/8W | |
| R992 | ERJ8GEYJ561V | Chip, 560 Ω 1/8W | |
| R993 | ERJ8GEYJ561V | Chip, 560 Ω 1/8W | |
| R994 | ERJ8GEYJ681V | Chip, 680 Ω 1/8W | |
| R995 | ERJ8GEYJ561V | Chip, 560 Ω 1/8W | |
| R996 | ERJ8GEYJ561V | Chip, 560 Ω 1/8W | |
| R997 | ERJ8GEYJ681V | Chip, 680 Ω 1/8W | |
| R998 | ERJ8GEYJ561V | Chip, 560 Ω 1/8W | |
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| CONNECTORs | | | |
| CN901 | YEAE012760 | Connector, 14P | |
| CN902 | K1MN40B00006 | Connector, 40P | |
| CN903 | K1MN08B00074 | Connector, 8P | |
| CN904 | K1MN08B00074 | Connector, 8P | |
| CN905 | YEAE012795 | Connector, 6P | |
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| CRYSTALs | | | |
| XL900 | H0J167500008 | Crystal OSC | |
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| CERAMIC FILTERs | | | |
| FB901 | J0JHC0000026 | Noise Filter | |
| FB902 | J0JHC0000026 | Noise Filter | |
| FB903 | J0JHC0000026 | Noise Filter | |
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| | | | |
| LCD | | | |
| LCD91 | L5AZAMD00002 | LCD Display | |
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| RESISTOR NETWORKs | | | |
| RA901 | D1H822140004 | Resistor Network | |
| RA902 | D1H822140004 | Resistor Network | |
| RA903 | D1H822140004 | Resistor Network | |
| RA904 | D1H822140004 | Resistor Network | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| RA905 | D1H822140004 | Resistor Network | |
| RA906 | D1H822140004 | Resistor Network | |
| RA907 | D1H822140004 | Resistor Network | |
| RA908 | D1H822140004 | Resistor Network | |
| RA909 | D1H822140004 | Resistor Network | |
| RA910 | D1H822140004 | Resistor Network | |
| RA911 | D1H822140004 | Resistor Network | |
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| | | | |
| THERMISTORs | | | |
| TH900 | D4CC14730002 | Thermistor | |
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| | | | |
| [E9231] Esc Block | | | |
| IC's and TRANSISTORs | | | |
| Q961 | B1GDCFJJ0002 | Transistor | |
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| | | | |
| DIODEs | | | |
| D802 | LNJ306G5TUWQ | LED | |
| D803 | LN1271RAL | LED | |
| D961 | LNJ306G5TUWQ | LED | |
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| | | | |
| CAPACITORs | | | |
| C961 | YECUS1H103KX | Ceramic, 0.01 μ F 50WV | |
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| RESISTORs | | | |
| R962 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R963 | ERJ6GEYJ473 | Chip, 47k Ω 1/10W | |
| R964 | ERJ6GEYJ100 | Chip, 10 Ω 1/10W | |
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| CONNECTORs | | | |
| CP801 | K1KA05A00247 | Connector, 5P | |
| CP901 | YEAE012761 | Connector, 14P | |
| CP951 | K1MN16B00022 | Connector, 16P | |
| | | | |
| | | | |
| SWITCHEs | | | |
| SW801 | YEAS09267 | Switch | |
| SW802 | YEAS08041A | Switch | |
| SW961 | YEAS09304 | Switch | |
| | | | |
| | | | |
| [E8515] DC-DC Block | | | |
| IC's and TRANSISTORs | | | |
| IC1 | C1BA00000150 | IC | |
| IC2 | YEAMM51945AF | IC | |
| | | | |
| | | | |
| DIODEs | | | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| D1 | MA3X152K0L | Diode | |
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| CAPACITORs | | | |
| C1 | ECA1CM332B | Electrolytic, 3300 μF 16WV | |
| C2 | ECA1EM332B | Electrolytic, 3300 μF 25WV | |
| C3 | ECA1HM3R3B | Electrolytic, 3.3 μF 50WV | |
| C5 | ECEA1HKS2R2 | Electrolytic, 2.2 μF 50WV | |
| C6 | YECUS1H103KX | Ceramic, 0.01 μF 50WV | |
| C8 | YECUS1E104ZF | Ceramic, 0.1 μF 25WV | |
| C9 | YECUS1E104ZF | Ceramic, 0.1 μF 25WV | |
| C10 | YECUS1E104ZF | Ceramic, 0.1 μF 25WV | |
| C11 | YECUS1E104ZF | Ceramic, 0.1 μF 25WV | |
| C12 | YECUS1E104ZF | Ceramic, 0.1 μF 25WV | |
| C13 | YECUS1E104ZF | Ceramic, 0.1 μF 25WV | |
| C14 | YECUS1H103ZF | Ceramic, 0.01 μF 50WV | |
| C15 | YECUS1H103ZF | Ceramic, 0.01 μF 50WV | |
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| RESISTORs | | | |
| R1 | ERJ6GEYJ224 | Chip, 220kΩ 1/10W | |
| R2 | ERJ6GEYJ562 | Chip, 5.6kΩ 1/10W | |
| R3 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R4 | ERJ8GEYJ560V | Chip, 56Ω 1/8W | |
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| CONNECTORs | | | |
| CN1 | YEAEPSVH05A | Connector, 5P | |
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| COILs | | | |
| L1 | YETQ022T161 | Coil | |
| L2 | YELTB2R2RT | Coil | |
| L3 | YELTB2R2RT | Coil | |
| L4 | YELTB2R2RT | Coil | |
| L5 | YELT03N330JT | Coil | |
| | | | |
| | | | |
| [E9202] CD Servo Block | | | |
| IC's and TRANSISTORs | | | |
| IC101 | C1BB00000624 | IC | |
| IC201 | MN662792ABUC | IC | |
| IC202 | C3ABMB000034 | IC | |
| IC301 | MN101C61GAH | IC | |
| IC901 | C0GBY0000012 | IC | |
| Q1 | B3HB00000012 | Transistor | |
| Q3 | B3HB00000012 | Transistor | |
| Q6 | B3HB00000012 | Transistor | |
| Q101 | 2SB766ATX | Transistor | |
| Q451 | B1GBCFCJ0005 | Transistor | |
| Q521 | B1GBCFCJ0005 | Transistor | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| Q901 | B1BDCD000002 | Transistor | |
| Q902 | 2SB766ATX | Transistor | |
| Q903 | B1GDCFJN0011 | Transistor | |
| | | | |
| | | | |
| DIODEs | | | |
| D1 | YEADAN1102W | Diode | |
| D3 | YEADAN1102W | Diode | |
| D6 | YEADAN1102W | Diode | |
| D301 | MA152WKTX | Diode | |
| D901 | MA152WATX | Diode | |
| | | | |
| | | | |
| CAPACITORs | | | |
| C101 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C102 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C103 | F3H0J1070005 | Tantalum, 100mF 6.3WV | |
| C104 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C105 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C106 | F1H1H821A190 | Ceramic, 820PF 50WV | |
| C107 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C108 | F1H1H682A190 | Ceramic, 0.0068mF 50WV | |
| C109 | F1H1H222A190 | Ceramic, 0.0022mF 50WV | |
| C110 | F1K0J1060015 | Ceramic, 10mF 6.3WV | |
| C111 | F1H1H101A231 | Ceramic, 100PF 50WV | |
| C112 | F1K0J1060015 | Ceramic, 10mF 6.3WV | |
| C113 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C114 | F1H1H681A021 | Ceramic, 680PF 50WV | |
| C115 | YECUZ1H271JC | Ceramic, 270PF 50WV | |
| C116 | YECUZ1H103KX | Ceramic, 0.01mF 50WV | |
| C117 | YECUZ1H103KX | Ceramic, 0.01mF 50WV | |
| C120 | YECSW0J226MA | Tantalum, 22mF 6.3WV | |
| C121 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C122 | F1H1H101A231 | Ceramic, 100PF 50WV | |
| C123 | F1H1H101A231 | Ceramic, 100PF 50WV | |
| C124 | F1H1H101A231 | Ceramic, 100PF 50WV | |
| C125 | F1H1H101A231 | Ceramic, 100PF 50WV | |
| C201 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C204 | F1H1E123A011 | Ceramic, 0.012mF 25WV | |
| C206 | F1K0J1060015 | Ceramic, 10mF 6.3WV | |
| C208 | ECEV0JA470SR | Electrolytic, 47mF 6.3WV | |
| C209 | F1K0J1060015 | Ceramic, 10mF 6.3WV | |
| C210 | F1H0J1050010 | Ceramic, 1mF 6.3WV | |
| C211 | F1H0J1050010 | Ceramic, 1mF 6.3WV | |
| C213 | F1H1H102A021 | Ceramic, 0.001mF 50WV | |
| C214 | YECUZ1E223KX | Ceramic, 0.022mF 25WV | |
| C215 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C216 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C217 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C218 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C315 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C316 | YECUZ1H103KX | Ceramic, 0.001mF 50WV | |
| C321 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C401 | F1H0J1050010 | Ceramic, 1mF 6.3WV | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C521 | F1H1H820A231 | Ceramic, 82PF 50WV | |
| C522 | F1H1H820A231 | Ceramic, 82PF 50WV | |
| C523 | F1H1H820A231 | Ceramic, 82PF 50WV | |
| C531 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C532 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C541 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C901 | YECUZ1C333KX | Ceramic, 0.033mF 16WV | |
| C902 | F1H0J1050010 | Ceramic, 1mF 6.3WV | |
| C903 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C904 | ECEV1AA330SR | Electrolytic, 33mF 10WV | |
| C905 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C906 | ECEV0JA470SR | Electrolytic, 47mF 6.3WV | |
| C907 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C908 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C909 | ECEV0GA470SR | Electrolytic, 47mF 4WV | |
| C910 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C911 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C912 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C913 | ECEV1AA330SR | Electrolytic, 33mF 10WV | |
| C914 | YECUZ1H103KX | Ceramic, 0.01mF 50WV | |
| C915 | YECUZ1H103KX | Ceramic, 0.01mF 50WV | |
| C916 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C917 | YECUZ1C104KX | Ceramic, 0.1mF 16WV | |
| C918 | F3G1A336A001 | Tantalum, 33mF 10WV | |
| C919 | F1H1H100A226 | Ceramic, 10PF 50WV | |
| L903 | F1Z1E2220001 | Ceramic, 0.0022mF 25WV | |
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| RESISTORs | | | |
| R101 | ERJ6GEYJ1R0 | Chip, 1kW 1/10W | |
| R104 | ERJ3GEYJ223V | Chip, 22kW 1/16W | |
| R105 | ERJ3GEYJ102V | Chip, 1kW 1/16W | |
| R106 | ERJ3GEYJ563V | Chip, 56kW 1/16W | |
| R107 | ERJ3GEYJ102V | Chip, 1kW 1/16W | |
| R108 | ERJ3GEYJ473V | Chip, 47kW 1/16W | |
| R109 | ERJ3GEYJ333V | Chip, 33kW 1/16W | |
| R112 | ERJ3GEYJ152V | Chip, 1.5kW 1/16W | |
| R114 | ERJ3GEY0R00V | Chip, 0W 1/16W | |
| R116 | ERJ3GEY0R00V | Chip, 0W 1/16W | |
| R117 | ERJ3GEYJ152V | Chip, 1.5kW 1/16W | |
| R119 | ERJ3GEYJ101V | Chip, 100W 1/16W | |
| R123 | ERJ3GEYJ103V | Chip, 10kW 1/16W | |
| R201 | ERJ3GEYJ823V | Chip, 82kW 1/16W | |
| R206 | ERJ6GEYJ330 | Chip, 33W 1/10W | |
| R207 | ERJ3GEYJ102V | Chip, 1kW 1/16W | |
| R208 | ERJ3GEYJ102V | Chip, 1kW 1/16W | |
| R209 | ERJ3GEYJ102V | Chip, 1kW 1/16W | |
| R212 | ERJ3GEYJ332V | Chip, 3.3kW 1/16W | |
| R214 | ERJ3GEY0R00V | Chip, 0W 1/16W | |
| R216 | ERJ3GEYJ104V | Chip, 100kW 1/16W | |
| R217 | ERJ3GEYJ561V | Chip, 560W 1/16W | |
| R218 | ERJ3GEYJ105V | Chip, 1kW 1/16W | |
| R219 | ERJ3GEYJ103V | Chip, 10kW 1/16W | |
| R301 | ERJ3GEYJ563V | Chip, 56kW 1/16W | |

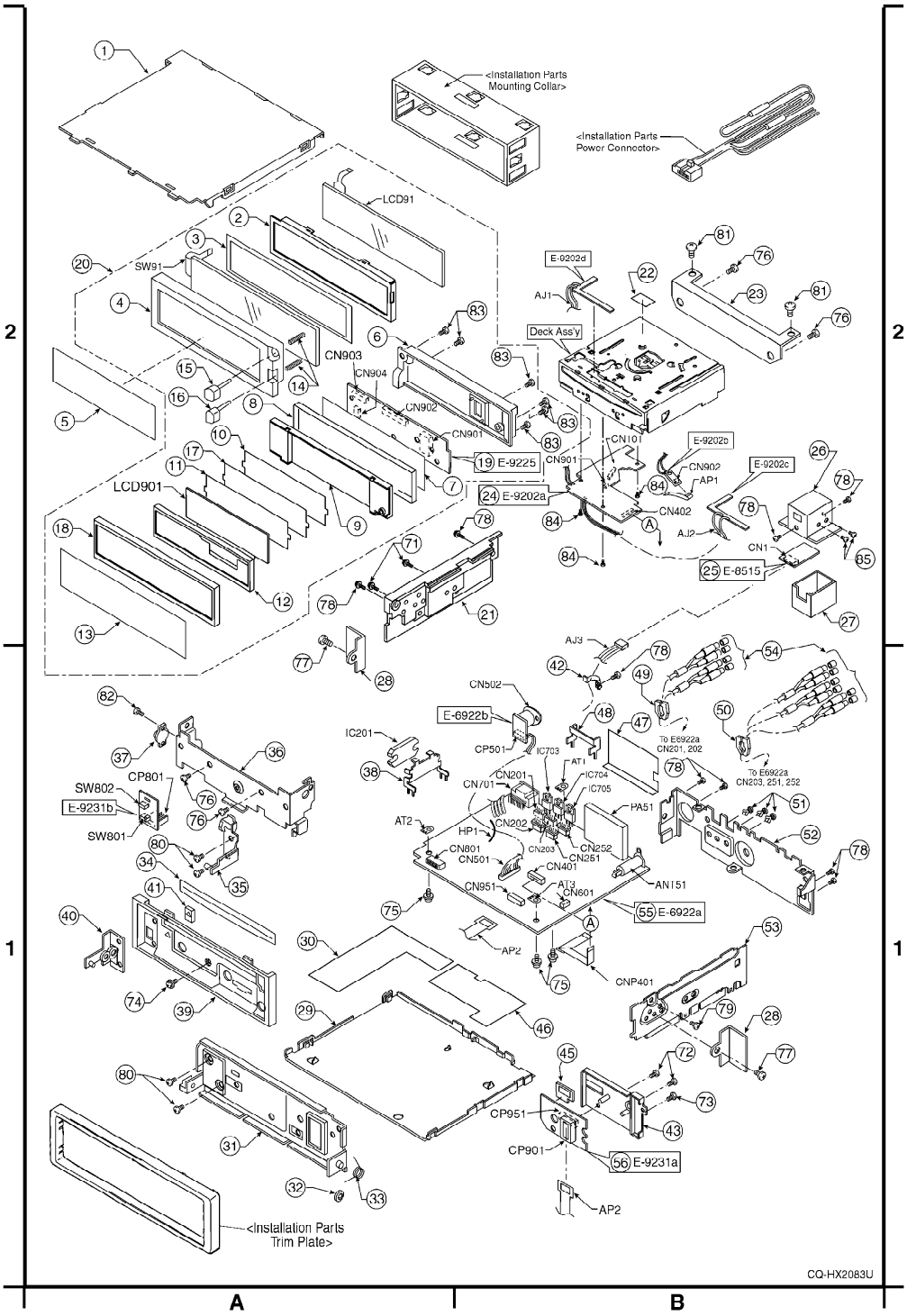
| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R303 | ERJ3GEYJ332V | Chip, 3.3kW 1/16W | |
| R323 | ERJ3GEY0R00V | Chip, 0W 1/16W | |
| R324 | ERJ3GEY0R00V | Chip, 0W 1/16W | |
| R326 | ERJ3GEYJ473V | Chip, 47kW 1/16W | |
| R401 | ERJ3GEYJ334V | Chip, 330kW 1/16W | |
| R471 | ERJ8GEYJ181V | Chip, 180W 1/8W | |
| R473 | ERJ8GEYJ221V | Chip, 220W 1/8W | |
| R511 | ERJ3GEYJ563V | Chip, 56kW 1/16W | |
| R513 | ERJ3GEYJ563V | Chip, 56kW 1/16W | |
| R514 | ERJ3GEYJ332V | Chip, 3.3kW 1/16W | |
| R516 | ERJ3GEYJ563V | Chip, 56kW 1/16W | |
| R517 | ERJ6GEYJ271 | Chip, 270W 1/10W | |
| R518 | ERJ3GEY0R00V | Chip, 0W 1/16W | |
| R519 | ERJ3GEYJ104V | Chip, 100kW 1/16W | |
| R521 | ERJ3GEYJ103V | Chip, 10kW 1/16W | |
| R523 | ERJ3GEYJ121V | Chip, 120W 1/16W | |
| R524 | ERJ3GEYJ121V | Chip, 120W 1/16W | |
| R525 | ERJ3GEYJ121V | Chip, 120W 1/16W | |
| R526 | ERJ3GEYJ121V | Chip, 120W 1/16W | |
| R527 | ERJ3GEYJ121V | Chip, 120W 1/16W | |
| R534 | ERJ6GEY0R00V | Chip, 0W 1/10W | |
| R541 | ERJ3GEY0R00V | Chip, 0W 1/16W | |
| R901 | ERJ3GEYJ392V | Chip, 3.9kW 1/16W | |
| R903 | ERJ3GEYJ392V | Chip, 3.9k 1/16W | |
| R904 | ERJ3GEYJ122V | Chip, 1.2kW 1/16W | |
| R905 | ERJ3GEYJ682V | Chip, 6.8kW 1/16W | |
| R906 | ERJ3GEYJ103V | Chip, 10kW 1/16W | |
| R907 | ERJ3GEYJ103V | Chip, 10kW 1/16W | |
| R909 | ERJ3GEYJ682V | Chip, 6.8kW 1/16W | |
| R910 | ERJ3GEYJ123V | Chip, 12kW 1/16W | |
| R911 | ERJ12YJ100H | Chip, 10W 1/2W | |
| R912 | ERJ3GEYJ203V | Chip, 20kW 1/16W | |
| R913 | ERJ3GEYJ103V | Chip, 10kW 1/16W | |
| R914 | ERJ3GEYJ104V | Chip, 100kW 1/16W | |
| R920 | ERJ3GEYJ332V | Chip, 3.3kW 1/16W | |
| R936 | ERJ3GEYJ332V | Chip, 3.3kW 1/16W | |
| R937 | ERJ3GEYJ332V | Chip, 3.3kW 1/16W | |
| R938 | ERJ3GEYJ332V | Chip, 3.3W 1/16W | |
| R939 | ERJ3GEYJ332V | Chip, 3.3kW 1/16W | |
| | | | |
| | | | |
| CONNECTORs | | | |
| CN101 | YEAESFW15R1E | Connector, 15P | |
| CN402 | K1MN14B00028 | Connector, 14P | |
| CN901 | K1MN05B00010 | Connector, 5P | |
| CN902 | K1MN05B00009 | Connector, 5P | |
| | | | |
| | | | |
| SWITCHEs | | | |
| SW2 | K0L1BA000022 | Switch | |
| SW4 | YEAS09275 | Switch | |
| | | | |
| | | | |
| CERAMIC FILTERs | | | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| L1 | J0JAC0000047 | Noise Filter, | |
| L2 | J0JAC0000047 | Noise Filter, | |
| L201 | J0JAC0000047 | Noise Filter, | |
| L202 | J0JAC0000047 | Noise Filter, | |
| L901 | J0JAC0000047 | Noise Filter, | |
| L902 | J0JAC0000047 | Noise Filter, | |
| XL201 | H2D169500018 | Ceramic Filter | |
| XL301 | H2D737400004 | Ceramic Filter | |
| | | | |
| | | | |
| COILs | | | |
| L101 | YELTLM41P750 | Coil | |
| L532 | YELT03N330JT | Coil | |
| | | | |
| | | | |
| Accessories | | | |
| PRINTINGS | | | |
| | YEFM283952 | Operating Instructions | |
| | YEFM261410 | Operating Guide for Sirius | |
| | YEFM022538 | Operation Guide | |
| | | | |
| | | | |
| INSTALLATION PARTS | | | |
| | YEFX0215873 | Mounting Collar | |
| | YEFC05588A | Trim Plate | |
| | YEFG04019 | Rear Support Strap | |
| | YEAJ02871 | Power Connector | |
| | YEFA131617 | Removable Face Plate Case | |
| | YEFX9992684 | Remote Controll Unit | |
| | YEFX9991793 | Cleaning Cloth | |
| | YEP9FZ3157 | Mounting Bracket | |
| | YEP0FZ3158 | Screw Kit | |
| | CR2025/1F | Lithium Battery | ⚠ |
| | | | |
| | | | |
| MISCELLANEOUS | | | |
| CN201 | YEAE012655 | Connector, RCA (FRONT) | |
| CN202 | YEAE012656 | Connector, RCA (REAR) | |
| CN203 | YEAJ011604 | Connector, RCA (S.W-OUT) | |
| CN251 | YEAE012503 | Connector, RCA (CD.C-IN) | |
| CN252 | K2KF29Z00013 | Connector, RCA (AUX-IN) | |
| CNP401 | K9ZZ00000176 | Connector, 14P | |
| AJ1 | YEAJ071287 | Lead Wire (CD Deck) | |
| AJ2 | YEAJ071285 | Lead Wire (CD Deck) | |
| AJ3 | YEAJ02773 | Lead Wire (Main <---> DC-DC) | |
| AP1 | YEAP2711 | FPC (CD Deck) | |
| AP2 | YEAP2831 | FPC (Main <---> ESC) | |
| AT1 | YEATSD00405 | Terminal (CD Deck) | |
| AT1-3 | K4ZZ01000048 | Terminal (Main) | |
| HP1 | K4ZZ01000044 | Terminal | |
| ANT51 | YGAA10082 | Antenna Receptacle | |
| SW91 | N2BABGB00003 | Touch Panel Switch | |
| LCD901 | L5F000000006 | LCD Display | |
| 1 | YEFA031817A | Upper Cover | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| 2 | YEFX0215876 | Bracket, Touch Panel Switch | |
| 3 | YEFS011842 | Pad | |
| 4 | YEFC027540 | Escutcheon Ass'y, Detachable | |
| 5 | YEFV012229 | Insulator | |
| 6 | YEFA131715 | Back Cover, Detachable | |
| 7 | YEFX9993019 | ESR-PT Sheet | |
| 8 | YEFK061068 | Holder | |
| 9 | YEFX0012294 | Transparent Plate | |
| 10 | YEFV021914 | Optical Shade | |
| 11 | YEFV021917 | Optical Shade | |
| 12 | YEFX0216040 | Bracket, LCD | |
| 13 | YEFJ012154 | Ornament Plate | |
| 14 | YEFX0052396 | Spring | |
| 15 | YEFE137101 | Button, Open | |
| 16 | YEFE137102 | Button, Release | |
| 17 | YEFV021915 | Optical Shade | |
| 18 | YEFK061070 | Holder | |
| 19 | YEP0PT9225Z9 | PCB w/Component, Display PCB | RTL |
| 20 | YEP0FX4965 | Removable Face Plate Unit | RTL |
| 21 | YEFF011092A | Heat Sink | |
| 22 | YEFM031414 | Laser Sheel | |
| 23 | YEFX0215874 | Bracket, CD Deck | |
| 24 | YEP0PT9202Z9 | PCB w/Component, Servo PCB | RTL |
| 25 | YEP0PT8515Y9 | PCB w/Component, DC/DC Converter PCB | RTL |
| 26 | YEFA031565 | Upper Cover | |
| 27 | YEFA131338 | Case, DC/DC Converter | |
| 28 | YEFG021124 | Front Brakect | |
| 29 | YEFA05851 | Bottom Cover | |
| 30 | YEFV012227 | Insulator | |
| 31 | YEP9FX172C | Front Plate Ass'y | |
| 32 | YEJE01018 | Retaining Ring | |
| 33 | YEFX0052620 | Spring | |
| 34 | YEFS02355A | Felt | |
| 35 | YEP9FX173 | Baring (L) Ass'y | |
| 36 | YEFA07593A | Front Plate | |
| 37 | YEFX9992715 | Damper | |
| 38 | YEFX0213945B | Bracket, IC | |
| 39 | YEFC027517A | Escutcheon Ass'y, Unit | |
| 40 | YEP9FX174 | Baring (R) Ass'y | |
| 41 | YEFX0012228 | Transparent Plate | |
| 42 | YEFX007686 | Cord Clamper | |
| 43 | YEFA131644 | Cover, ESC PCB | |
| 45 | YEFE137100 | Button, Eject | |
| 46 | YEFV012237 | Insulator | |
| 47 | YEFV012242 | Insulator | |
| 48 | YEFX0215878 | Bracket, Regulator | |
| 49 | YEFX007685 | Cord Clamper | |
| 50 | YEFX007676 | Cord Clamper | |
| 51 | YEFJ05046 | Color Rivet | |
| 52 | YEFA08578 | Rear Plate | |
| 53 | YEFA09746B | Side Plate | |
| 54 | YEFR04187 | Lead Cap | |
| 55 | YEP0PT6922Z9 | PCB w/Component, Main PCB | RTL |
| 56 | YEP0PT9231Z9 | PCB w/Component, Esc PCB | RTL |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| | | | |
| 71 | YEJS06093 | Screw, 3mm * 6mm | |
| 72 | YEJS06286 | Screw | |
| 73 | YEJS06288 | Screw | |
| 74 | YEJS06287 | Screw | |
| 75 | YEJT03009 | Tapping Screw, 3mm * 8mm | |
| 76 | YEJT03267 | Tapping Screw | |
| 77 | XSB5+6FX | Screw | |
| 78 | XTB3+6FFX | Tapping Screw, 3mm * 6mm | |
| 79 | XTB3+5FFZ | Tapping Screw, 3mm * 5mm | |
| 80 | XTB26+8FFZ | Tapping Screw | |
| 81 | XTB3+6FFX | Tapping Screw, 3mm * 6mm | |
| 82 | XTN2+6FX | Tapping Screw | |
| 83 | XTN2+8GFZ | Tapping Screw, 2mm * 8mm | |
| 84 | XYN2+J4FX | Screw, 2mm * 4mm | |
| 85 | XYN3+F14FX | Screw, 3mm * 14mm | |
| | | | |

# 14. EXPLODED VIEW (Unit)



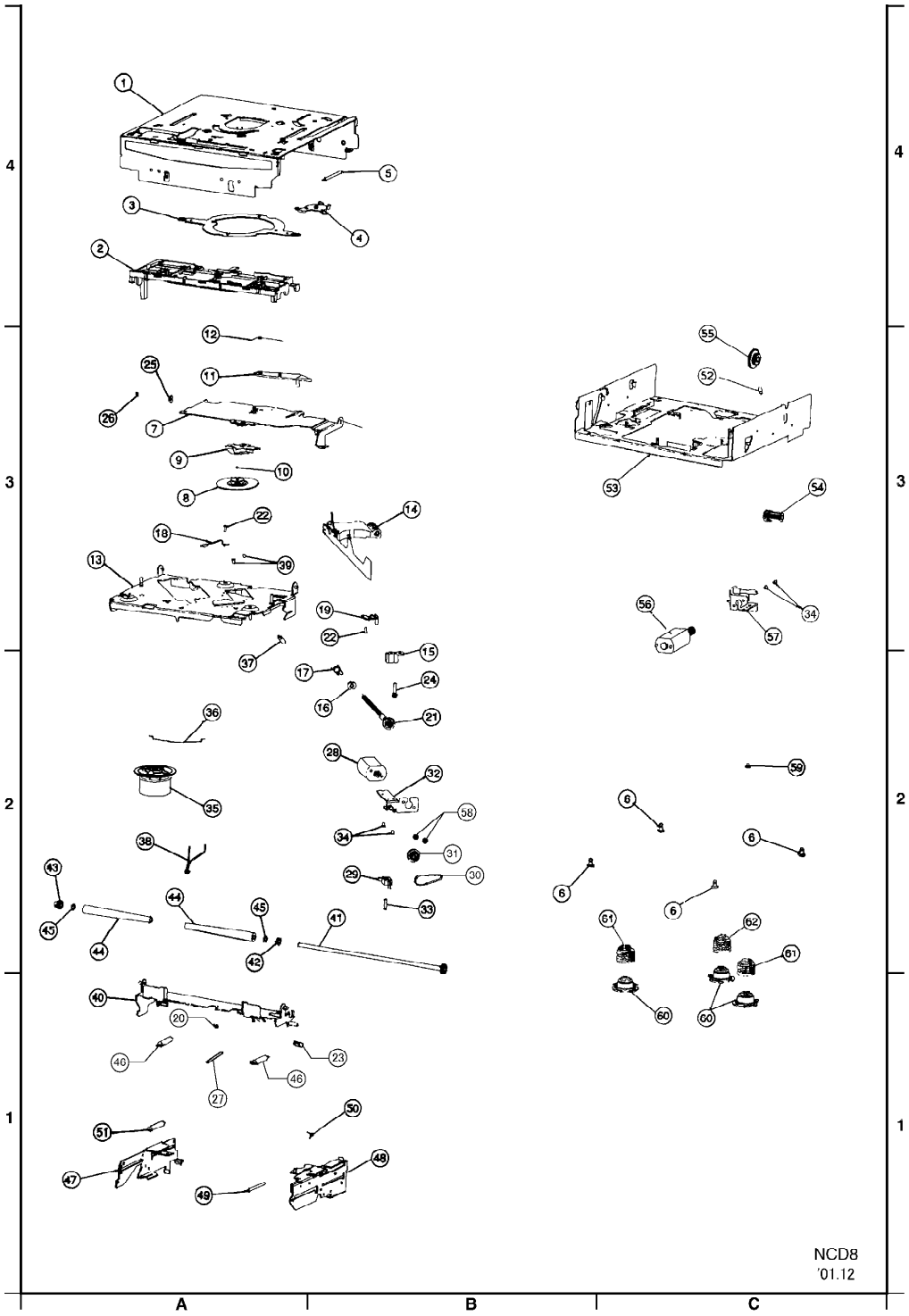

# 15. CD PLAYER PARTS

### MISCELLANEOUS

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| 1 | YGFA011781 | Upper Chassis | (4-A) |
| 2 | YGFX236153 | Disk Guide | (4-A) |
| 3 | YGFX0462017 | Link Lever | (4-A) |
| 4 | YGFX0462018 | Detection Lever (2) | (4-B) |
| 5 | YGFX0052357 | Detection Lever (2) Spring | (4-B) |
| 6 | YEJT03216 | Screw | (2-C) (2-B) |
| 7 | YGFX249461 | Clamp Arm | (3-A) |
| 8 | YGFX007640 | Clamper | (3-A) |
| 9 | YGFX0052363 | Clamper Spring Plate | (3-A) |
| 10 | YEFX999957 | Ball Bearing | (3-A) |
| 11 | YGFX0462013 | Detection Lever (1) | (3-A) |
| 12 | YGFX0052352 | Detection Lever (1) Spring | (3-A) |
| 13 | YGFA011947 | Suspension Chassis Ass'y | (3-A) |
| 14 | YEP0FX4378 | Optical Pick-up Ass'y | (3-B) |
| 15 | YGFW04150 | Feed Screw Housing A | (2-B) |
| 16 | YGFW04137A | Feed Screw Housing B | (2-B) |
| 17 | YGFX0052386 | Thrust Adjusting Spring | (2-B) |
| 18 | YEFX0052557 | Traverse Guide | (3-A) |
| 19 | YGFX9992027 | Feed Screw Carrier | (3-B) |
| 20 | YEFS011723 | Rubber Pad (2) | (1-A) |
| 21 | YEJT03211 | Traverse Gear Ass'y | (2-B) |
| 22 | YEJS02037A | Screw, (Pick-up) | (3-A)(3-B) |
| 23 | YEFS011712 | Rubber Pad (1) | (1-A) |
| 24 | XYN2+J10FX | Screw, (Housing) 2mm * 10m | (2-B) |
| 25 | YGFX0051590 | Spring Washer | (3-A) |
| 26 | XUC15V | Retaining Ring, 1.5mm | (3-A) |
| 27 | YGFX0052395 | Offset Spring | (1-A) |
| 28 | YGP0FX4162 | Traverse Motor Ass'y | (2-B) |
| 29 | YEAS23151A | Inner Switch | (2-B) |
| 30 | YEFR03080 | Rubber Belt | (2-B) |
| 31 | YGFX026124A | Idler Pulley | (2-B) |
| 32 | YGFX018658 | Motor Bracket Ass'y | (2-B) |
| 33 | YEJS02018FZ | Screw, (SW) | (2-B) |
| 34 | YEJS06097A | Screw, 2mm * 25mm | (2-B) |
| 35 | YGP0FX3529 | Spindle Motor Ass'y | (2-A) |
| 36 | YGFX0051991C | Spring (Motor) | (2-A) |
| 37 | YGFX0052353 | Clamper Spring | (2-A) |
| 38 | YGAJ071286 | Motor Cable | (2-A) |
| 39 | XQN17+A25FX | Screw, 1.7mm * 25mm | (3-A) |
| 40 | YGFX0462019 | Feeder Arm Ass'y | (1-A) |
| 41 | YGP0FX3507 | Roller Gear Ass'y | (2-B) |
| 42 | YGFW04144 | Roller Shaft Collar (1) | (2-A) |
| 43 | YGFW04138 | Roller Shaft Collar (2) | (2-A) |
| 44 | YGFX218310 | Rubber Roller | (2-A) |
| 45 | YEJW05169 | Washer | (2-A) |
| 46 | YGFX0052362 | Spring (Feeder Arm) | (1-A) |
| 47 | YGFX0462015A | Suspension Lock Plate (L) | (1-A) |
| 48 | YGP0FX3504 | Suspension Lock Plate (R) Ass'y | (1-B) |
| 49 | YGFX0052355 | Spring (Rack Gear) | (1-A) |
| 50 | YGFX0052356 | Spring (Rack Lock Lever) | (1-B) |
| 51 | YGFX0052360 | Spring (Suspension Lock Plate L) | (1-A) |
| 52 | YGFX0052361 | Spring (Lock Plate) | (3-C) |
| 53 | YGFA011779 | Bottom Chassis Ass'y | (3-C) |
| 54 | YGFX003940 | Driving Gear (1) | (3-C) |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| 55 | YGFX003941 | Driving Gear (2) | (3-C) |
| 56 | YGP0FX4167 | Loding Motor Ass'y | (3-C) |
| 57 | YGFX018660 | Loding Motor Bracket Ass'y | (3-C) |
| 58 | XQN2+A25FX | Screw, 2mm * 25mm | (2-B) |
| 59 | YEJS06188 | Screw | (2-C) |
| 60 | YGFS04755 | Oil Dumper | (1-C) |
| 61 | YGFX0052358 | Suspension Spring (A) | (2-C) |
| 62 | YGFX0052359 | Suspension Spring (B) | (2-C) |

# 16. EXPLODED VIEW (CD Deck)




# 17. WIRING DIAGRAM

## 17.1. CD Servo Block (Top View)

## 17.2. CD Servo Block (Bottom View)

## 17.3. Main Block (Top View)

17.4. Main Block (Bottom View)

17.5. Esc Block

17.6. DC-DC Block

17.7. Display Block

18. SCHEMATIC DIAGRAM-1

18.1. Esc. Block

18.2. DC-DC Block

19. SCHEMATIC DIAGRAM-2

19.1. Main Block

19.2. Display Block

19.3. CD Servo Block

20. SCHEMATIC DIAGRAM for Printing with Letter Size

20.1. Main Block (Left Side)

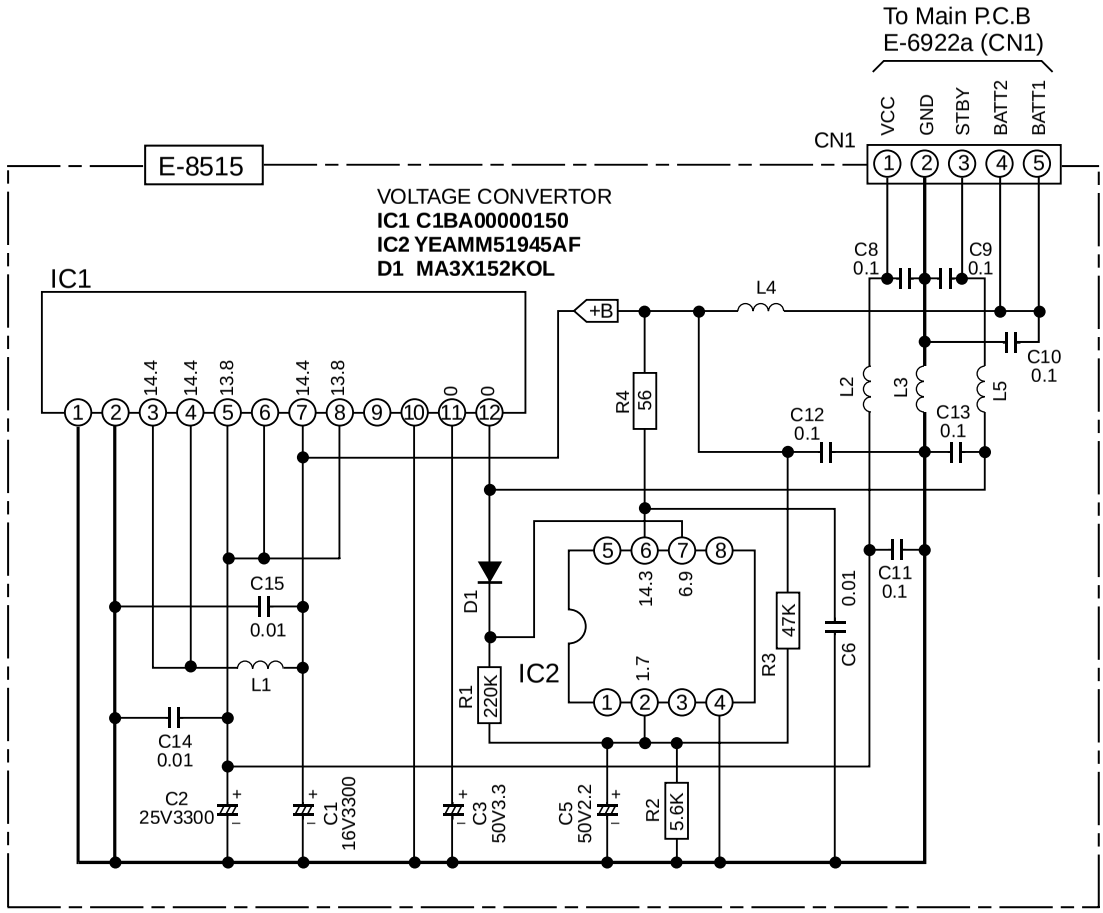
20.2. Main Block (Right Side)

20.3. Display Block (Left Side)

20.4. Display Block (Right Side)

20.5. CD Servo Block (Left Side)

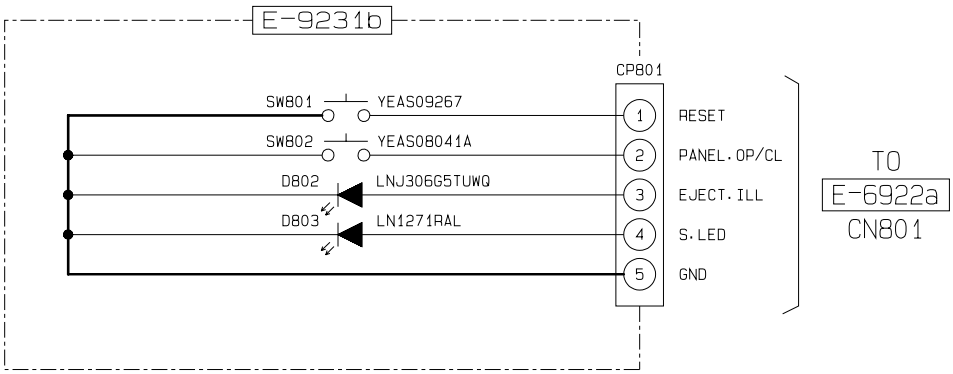
20.6. CD Servo Block (Right Side)

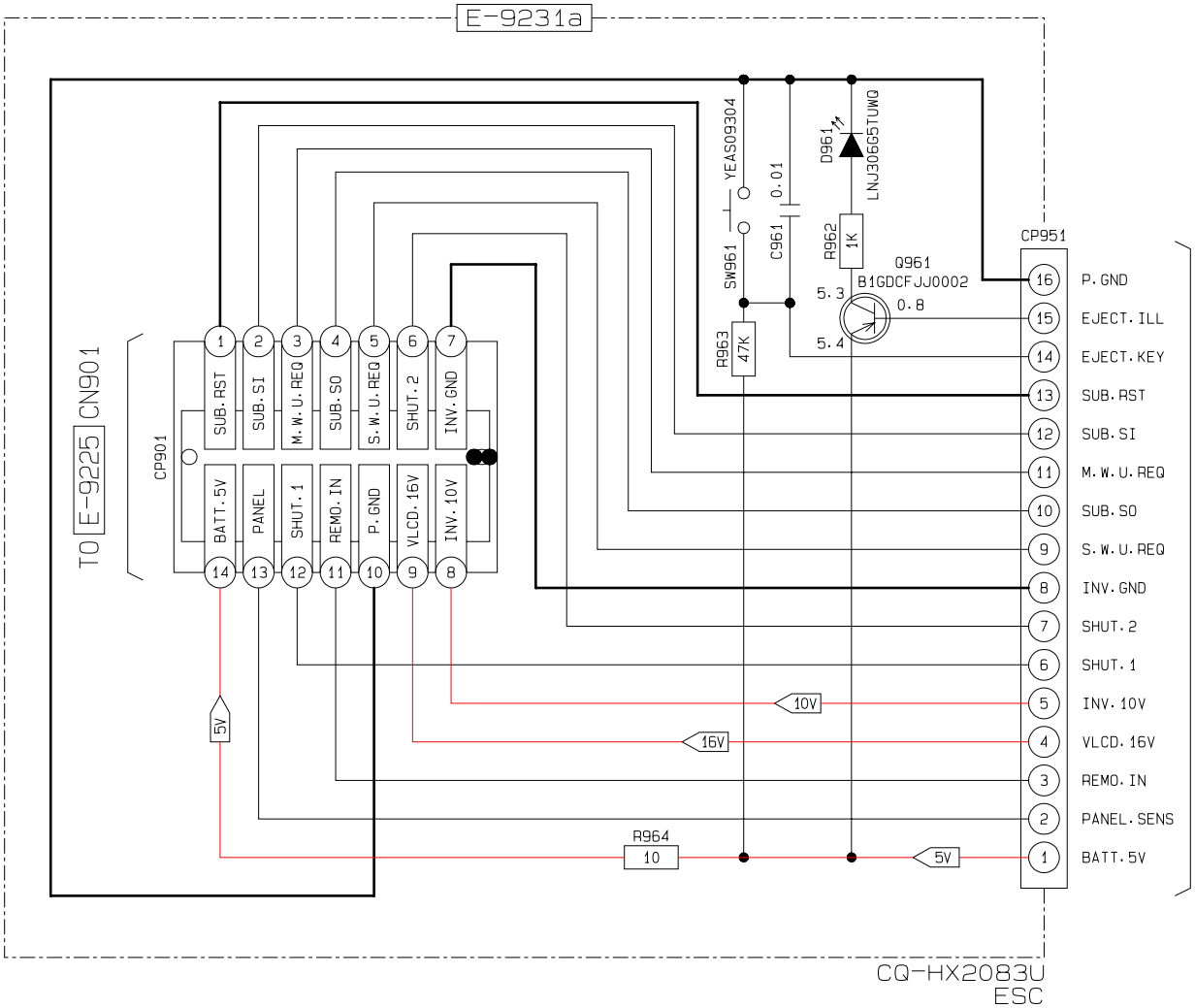


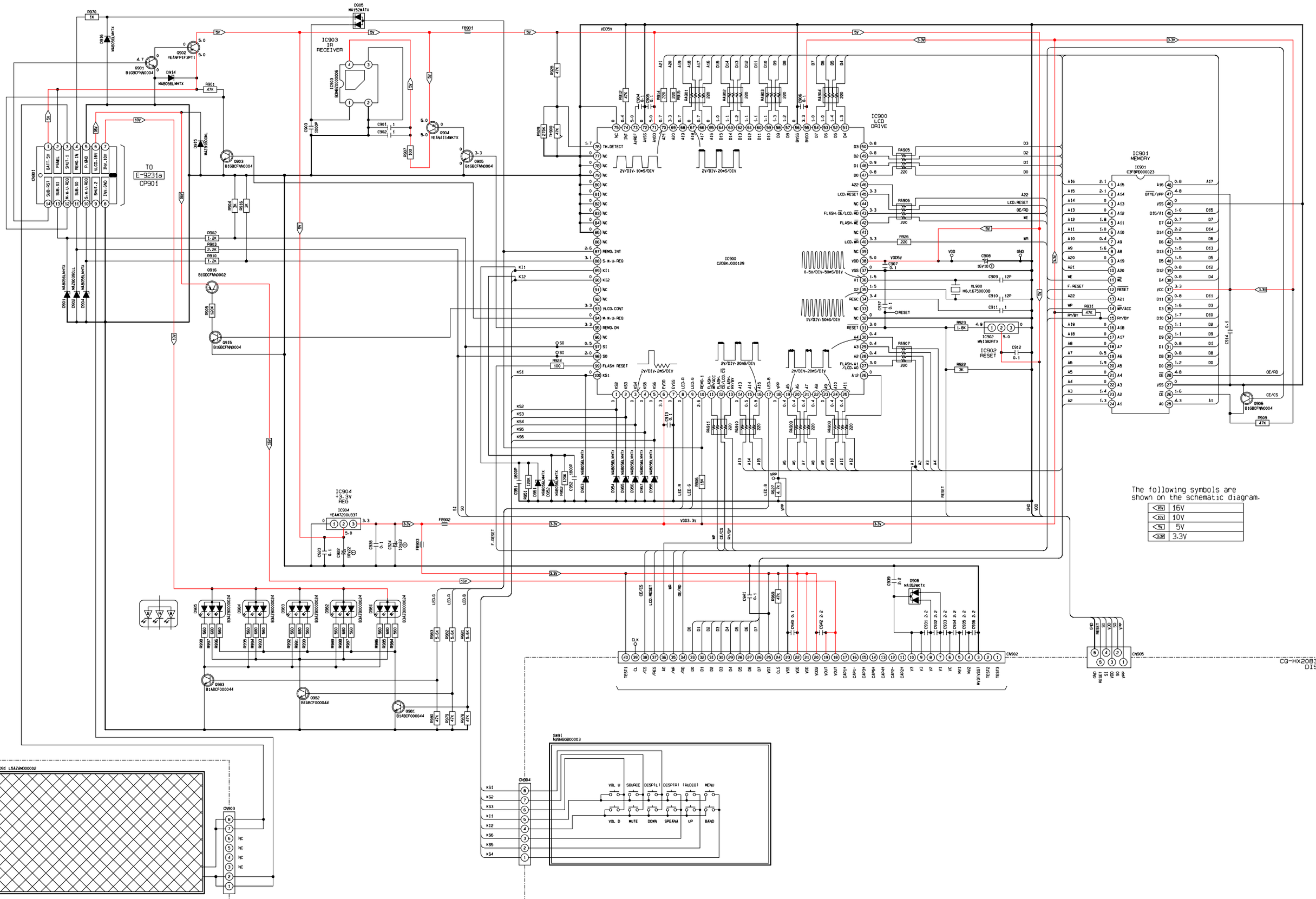

CQ-HX2083U DC-DC Block

The following symbols are shown on the schematic diagram.

| | |
|---|---|
| 16V | 16V |
| 10V | 10V |
| 5V | 5V |






The following symbols are shown on the schematic diagram.

| | |
|---|---|
| <16V | 16V |
| <10V | 10V |
| <5V | 5V |
| <3.3V | 3.3V |

E-6922a

IC703 C0CA4YG00005 — IC703 +10V REG

IC704 C0CA4YG00005 — IC704 +10V REG

IC705 YEAMPC7805H — IC705 +5V REG

CN751

TO E-8515 CN1

FRONT

REAR

S-W-OUT

CD. C-IN

AUX-IN

IC206 SUB W AMP

IC204 SUB W PRE AMP

IC202 AUDIO SELECT TONE CONTROL

PA51 FM/AM TUNER PACK

IC51 PLL

IC201 POWER AMP

IC205 PRE AMP

IC702 +8V REG

IC750 DC-DC CONVERTER

IC703 BATT/ACC DETECT-RESET

IC501 INVERTER

IC601 CPU

IC604 SPECTRUM ANALIZER

IC401 +3.3V REG

IC402 BUFFER

IC951 BUFFER

TO E-9202a CN402

TO E-6922b CP501

TO E-9231a CP951

TO E-9231b CP801

TO E-6922a CN501

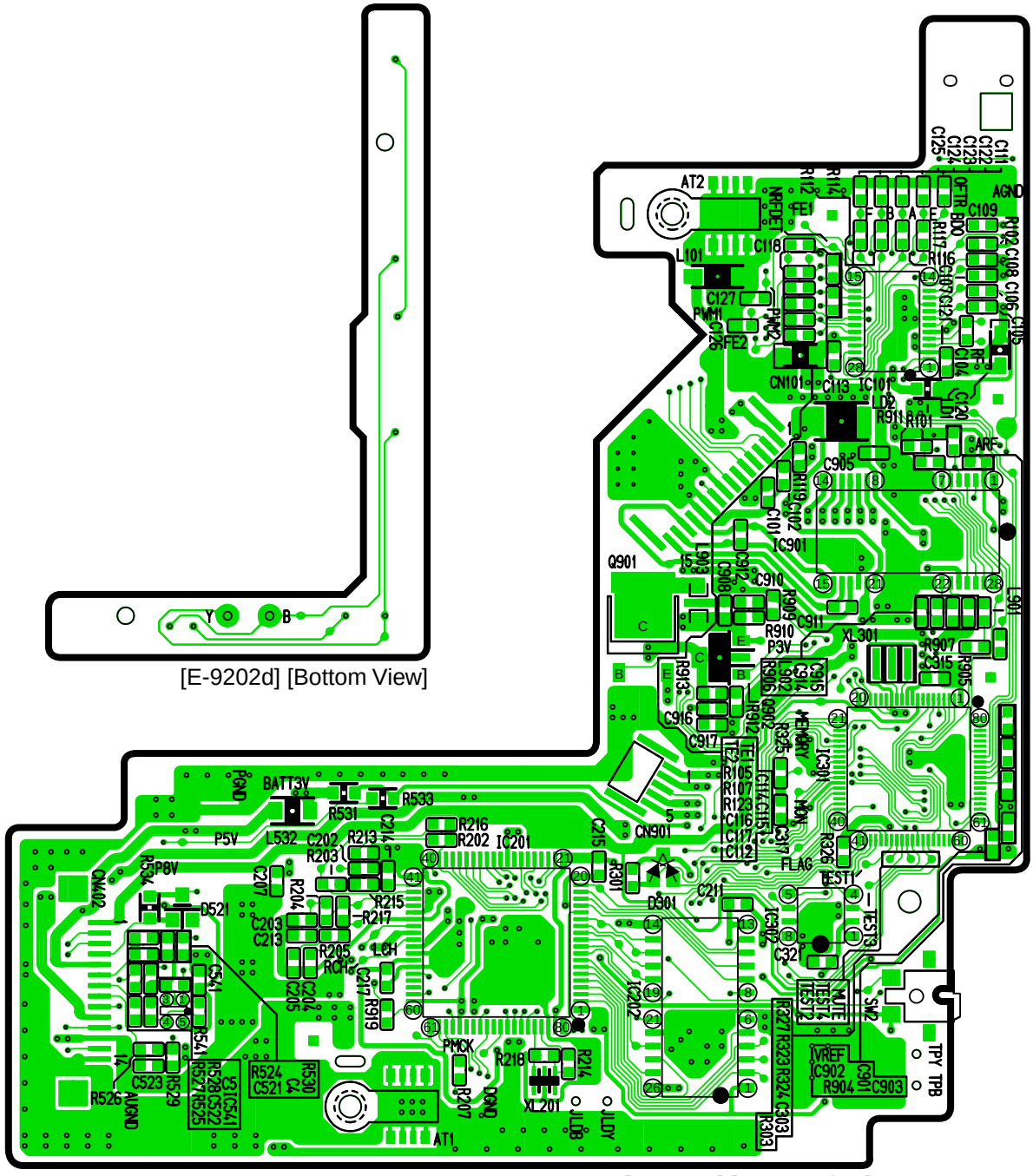
E-6922b

The following symbols are shown on the schematic diagram.

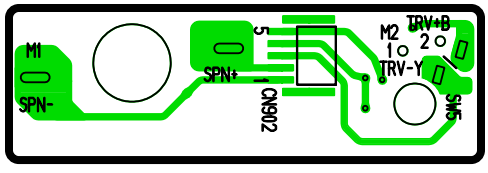
| | | | | | |
|---|---|---|---|---|---|
| +B | 9V | 8V | RADIO | (L,R) |
| ACC | 8V | 5V | CD | (L,R) |
| 16V | 5V | 3.3V | AUDIO | (L,R) |
| 10V | 3.3V | | | |

CD-HX2083U MAIN

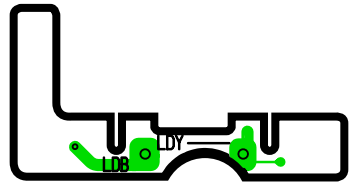
[E-9202d] [Bottom View]



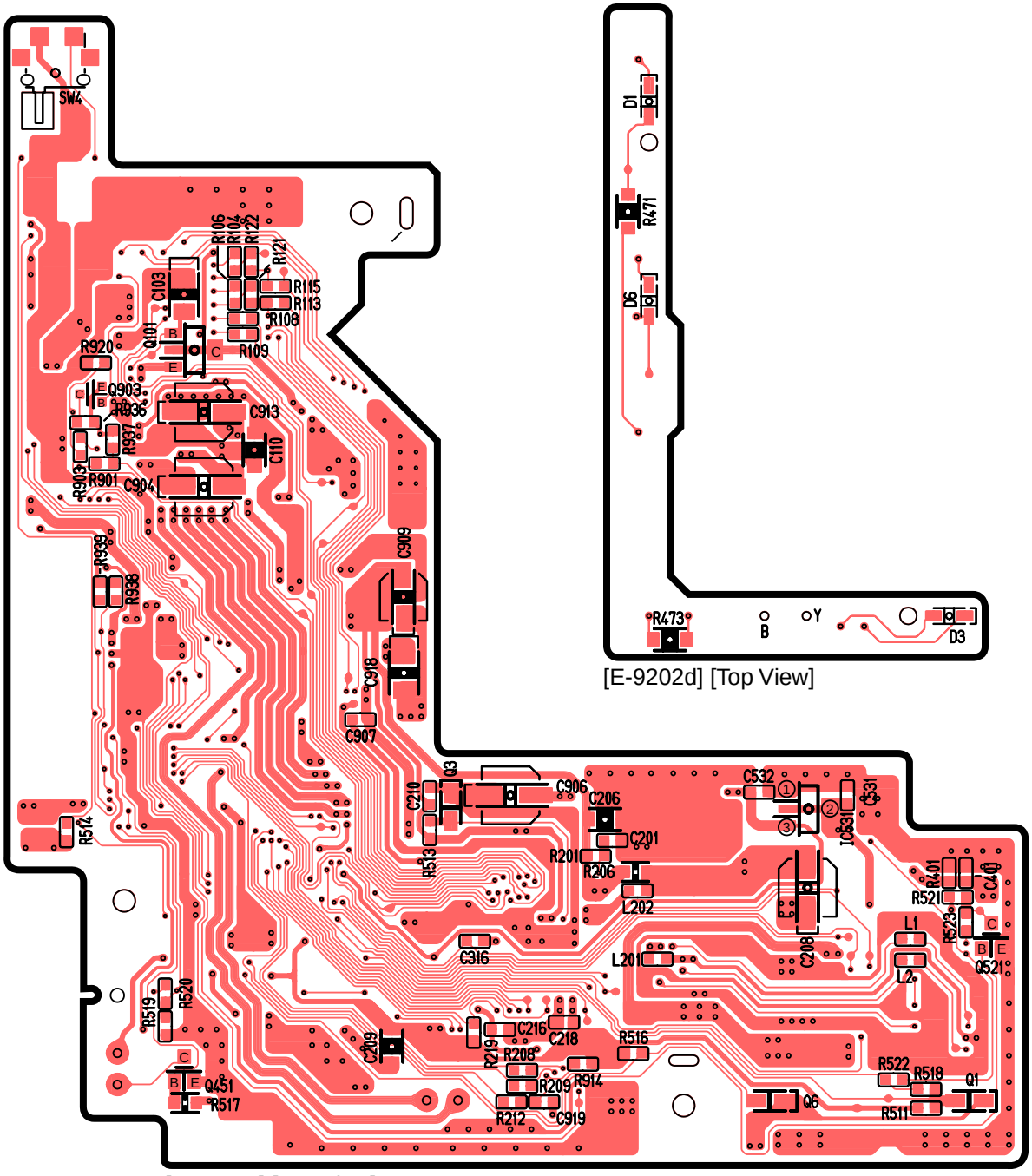

[E-9202a] [Bottom View]




[E-9202b] [Bottom View]

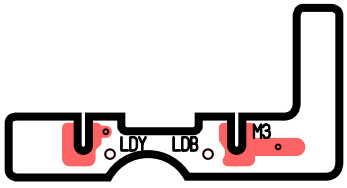



[E-9202c] [Bottom View]

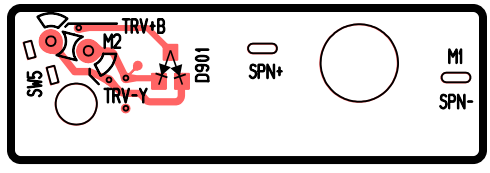



[E-9202d] [Top View]

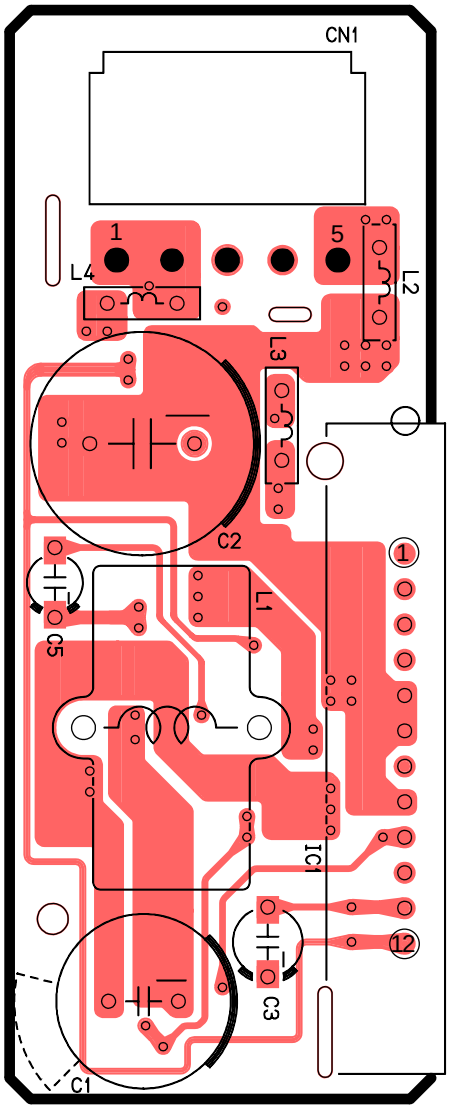
[E-9202a] [Top View]



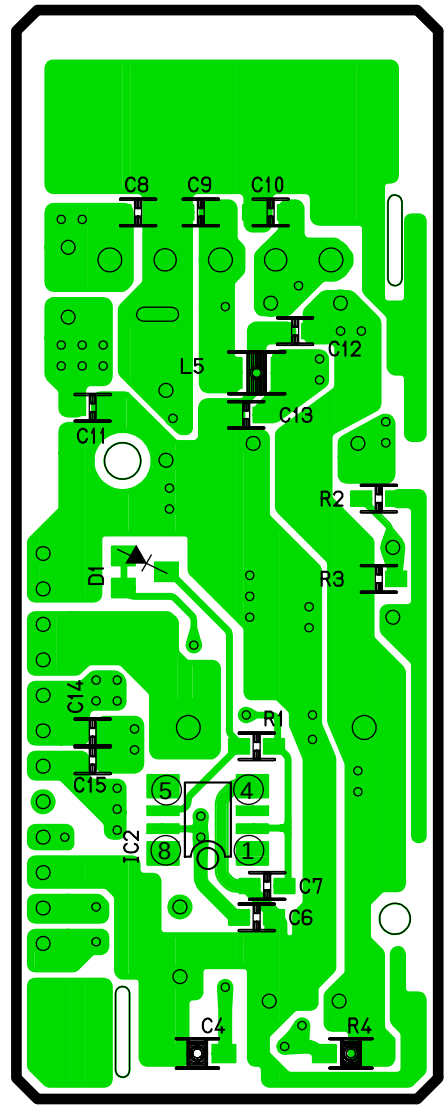

[E-9202c] [Top View]



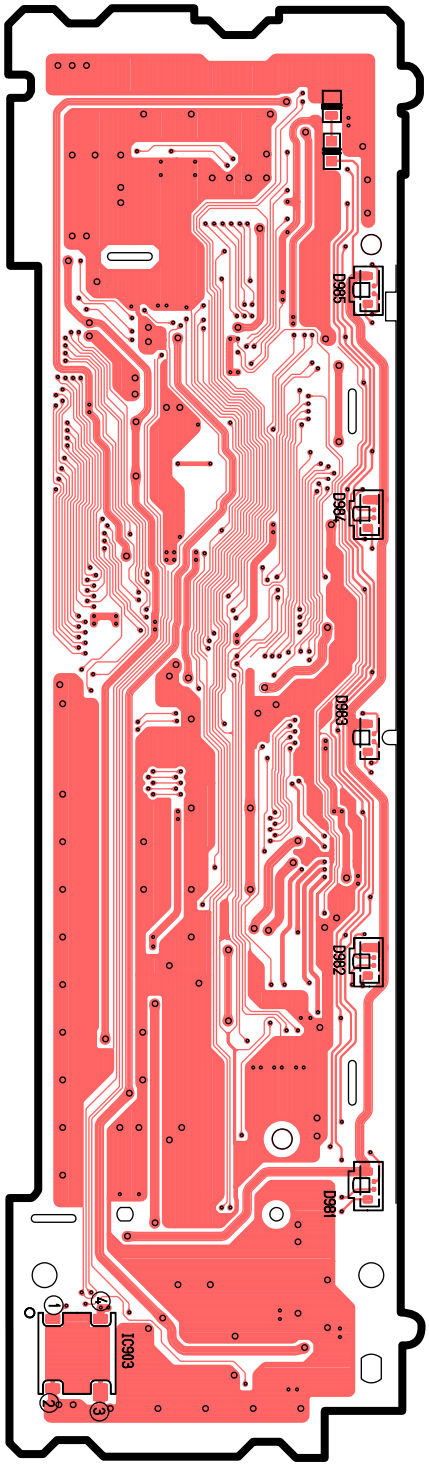

[E-9202b] [Top View]



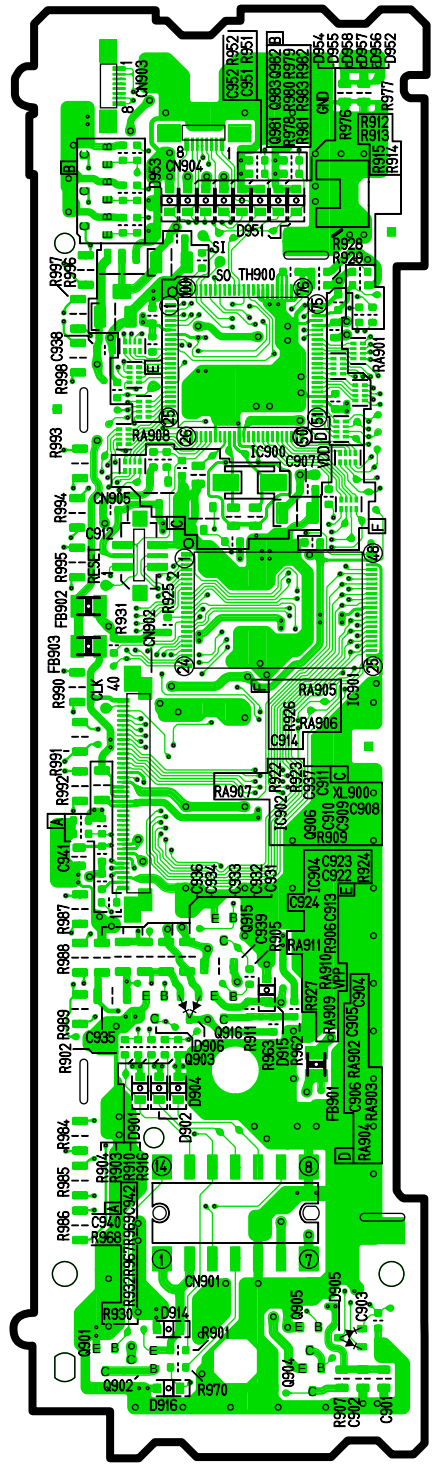

[E-8515][Top View]



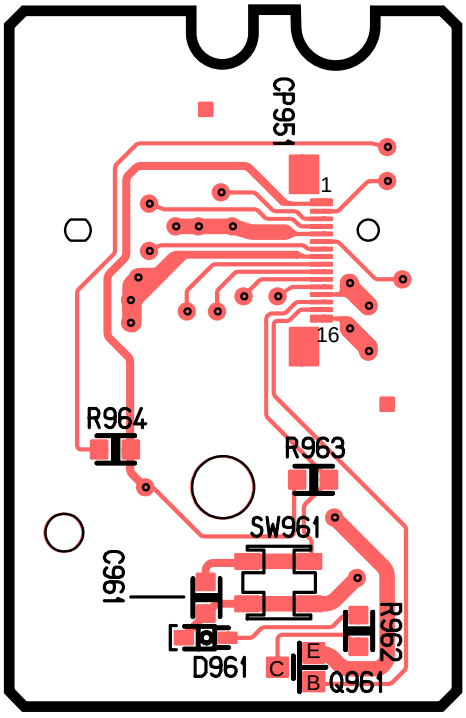

[E-8515][Bottom View]



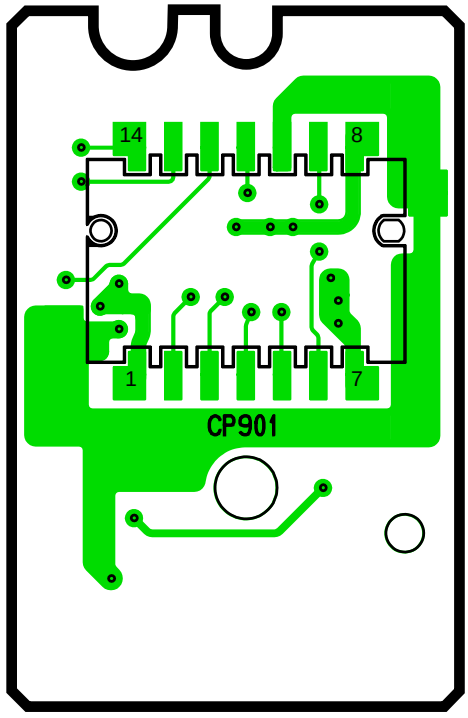
[E-9225][Top View]



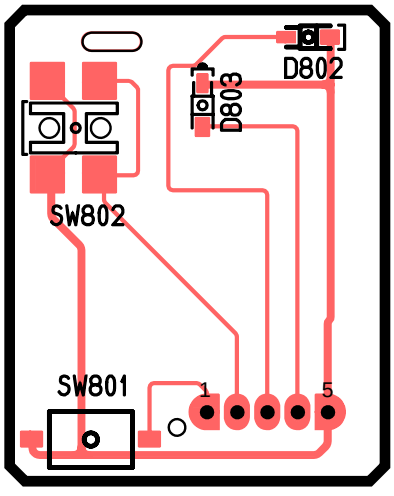
[E-9225][Bottom View]



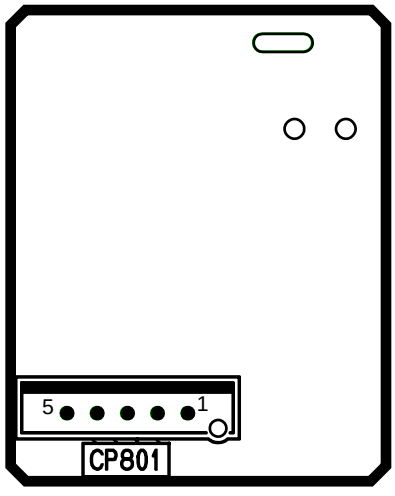

[E-9231a] [Top View]



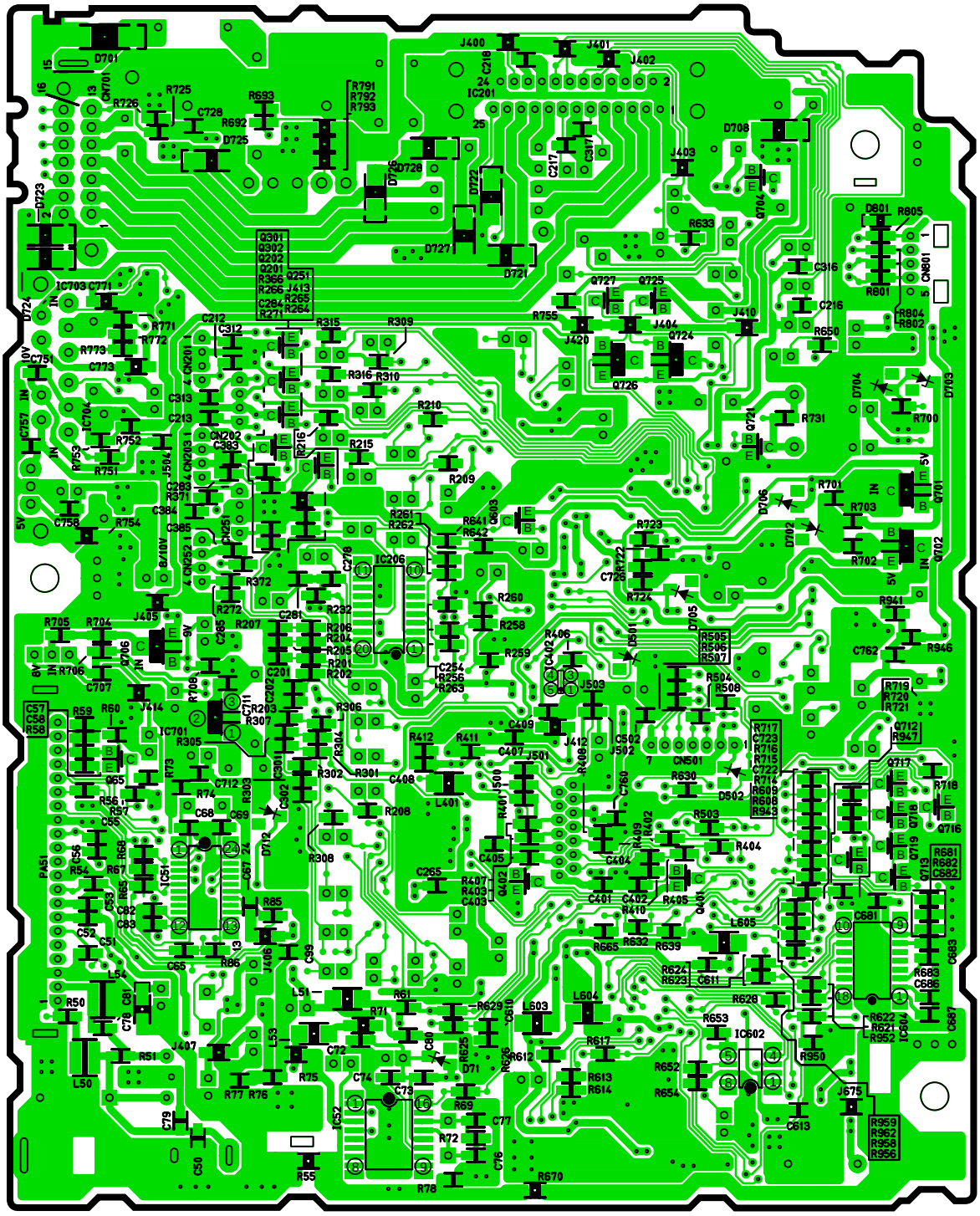

[E-9231a] [Bottom View]



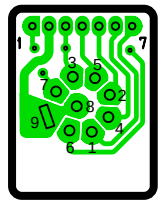

[E-9231b] [Top View]



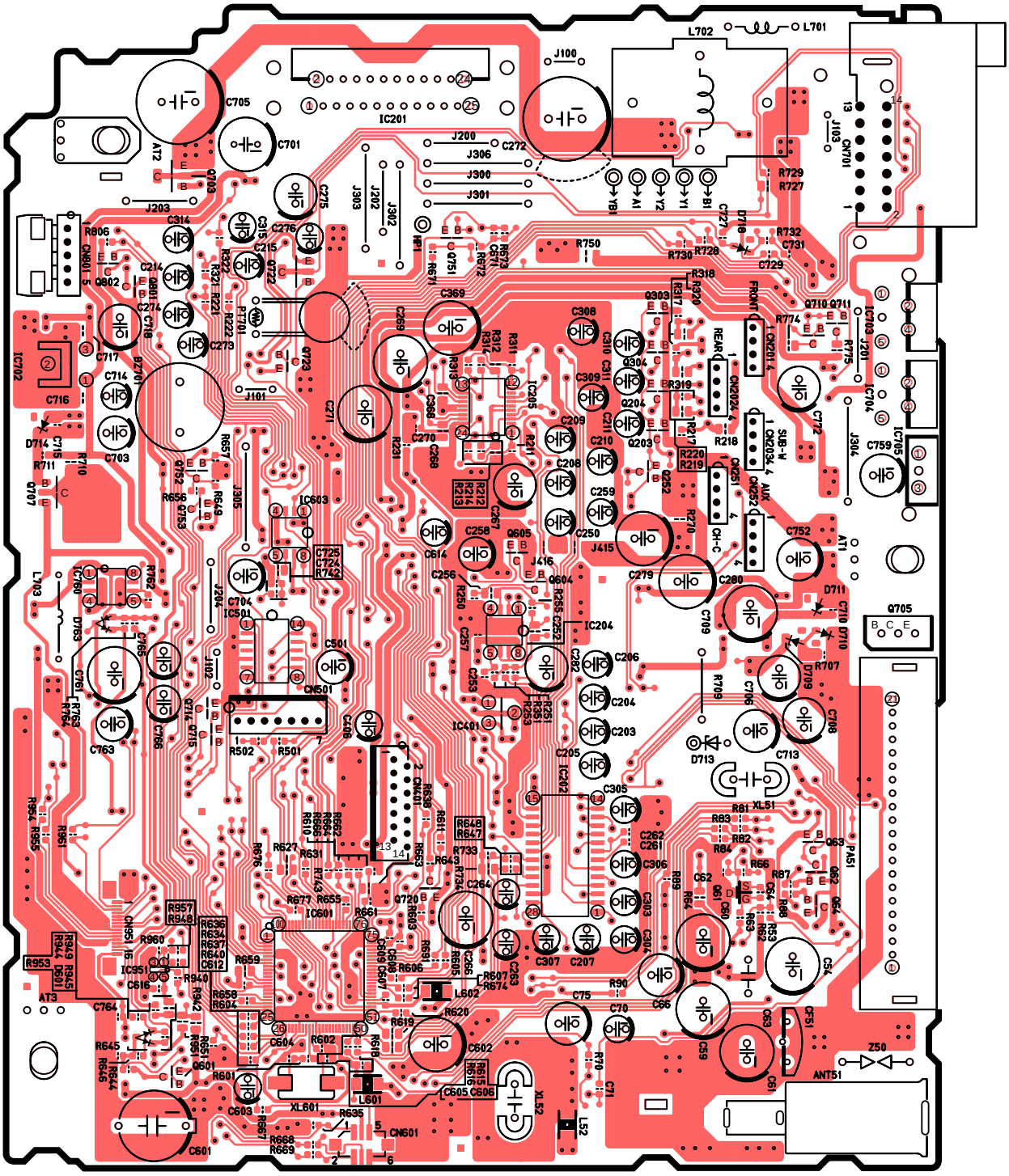

[E-9231b] [Bottom View]



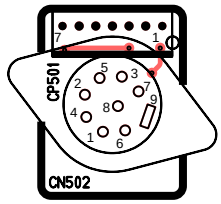
[E-6922a] [Bottom View]



[E-6922b]
[Bottom View]

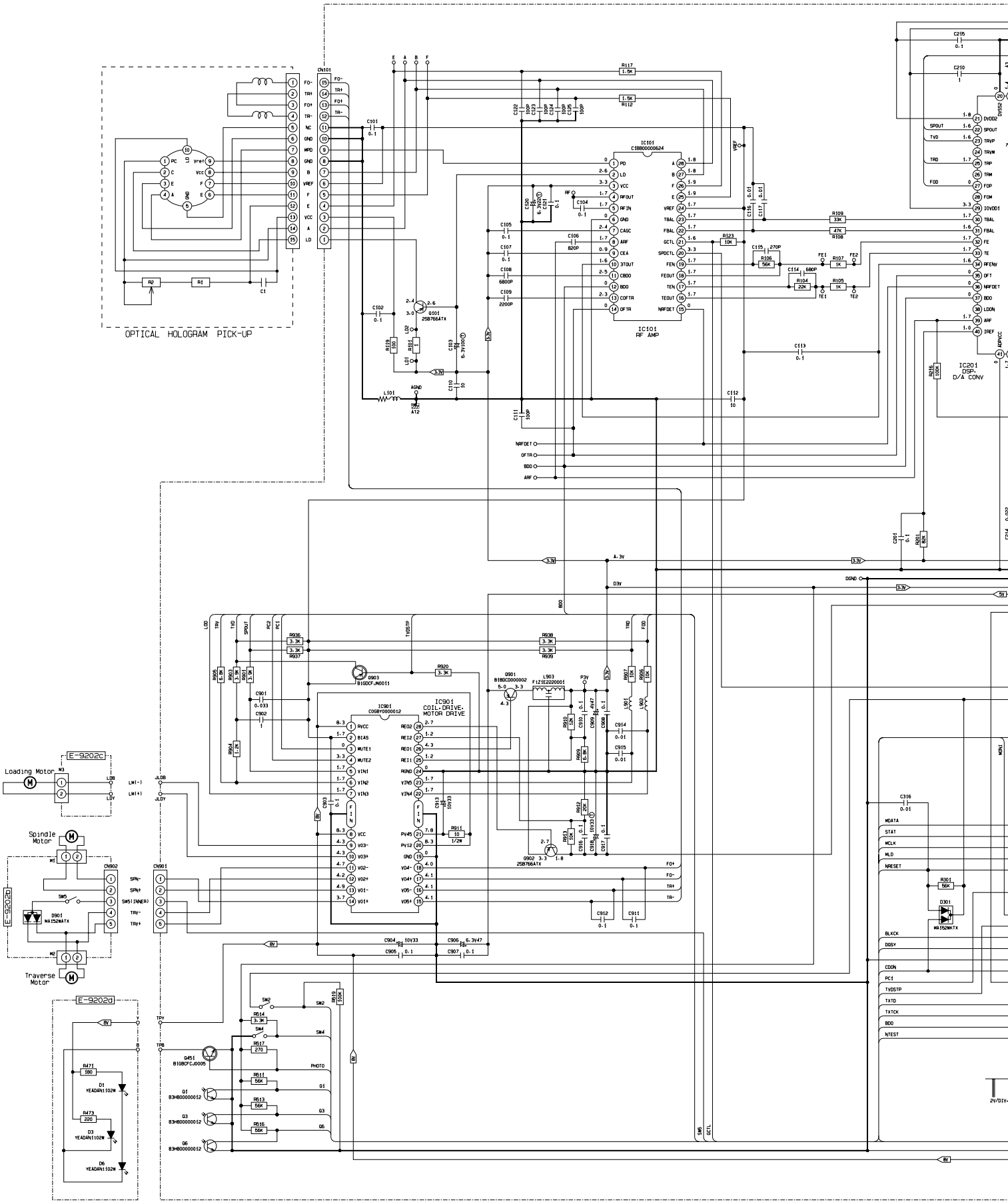


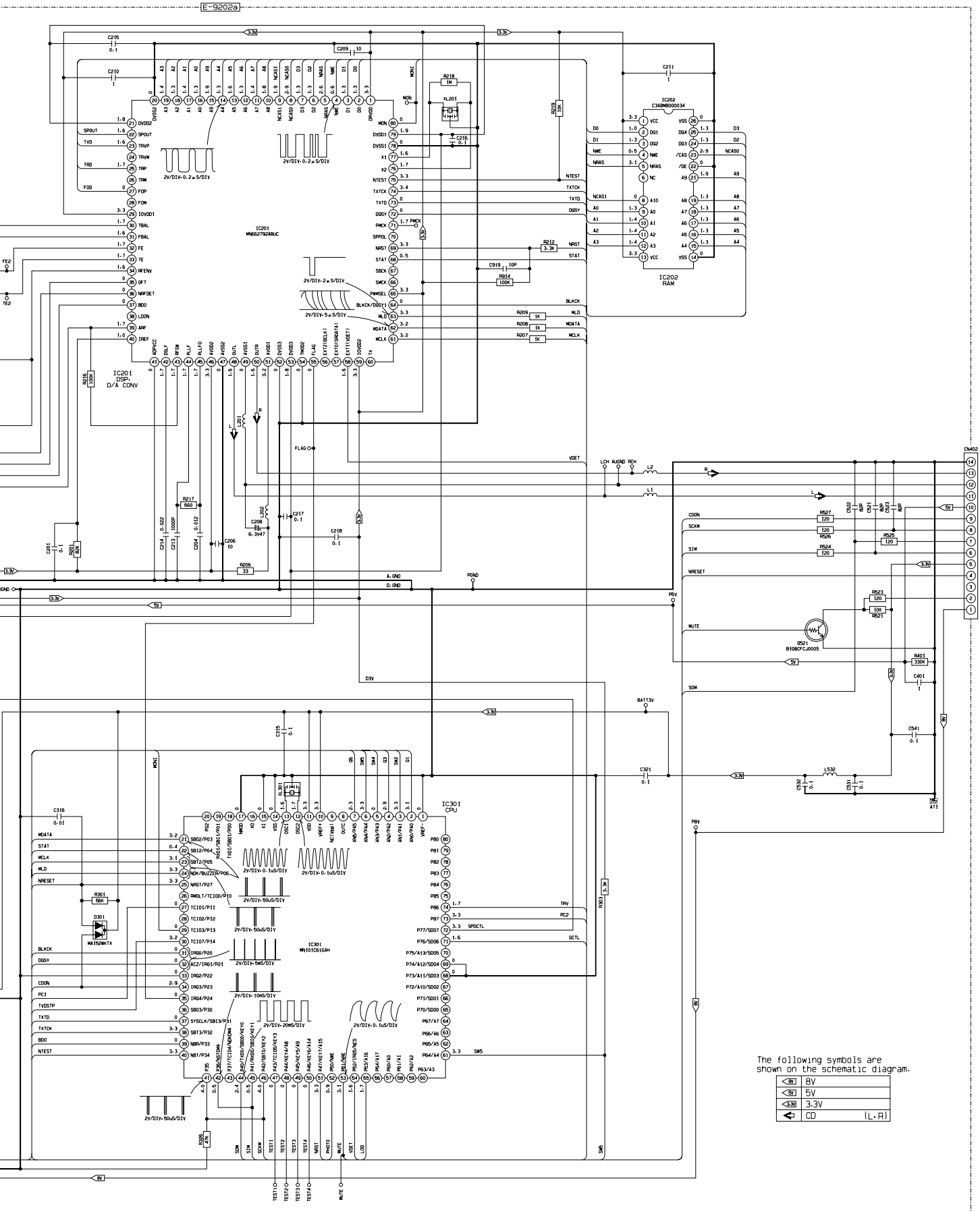
[E-6922a] [Top View]



[E-6922b]
[Top View]

# 19.3. CD Servo Block





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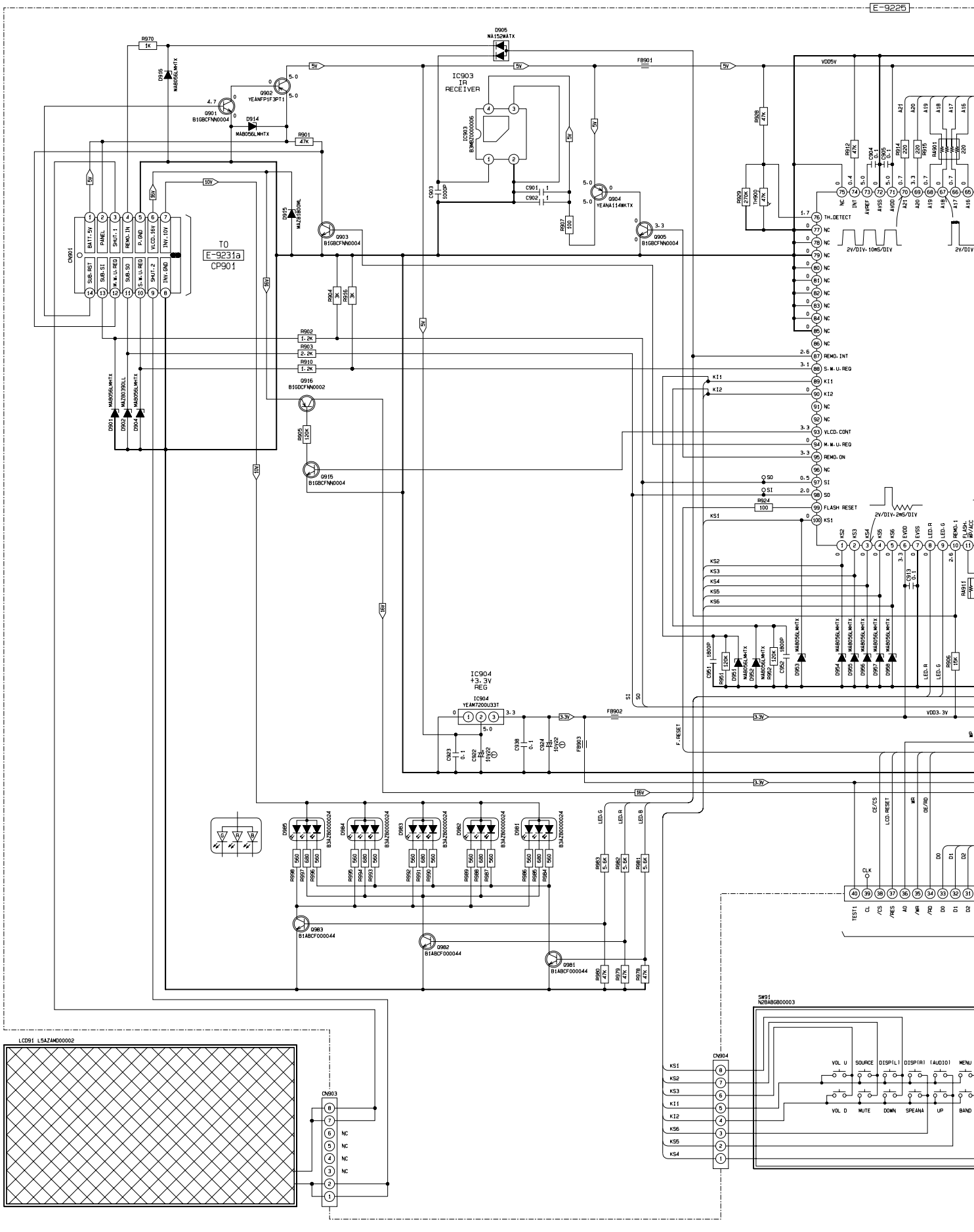
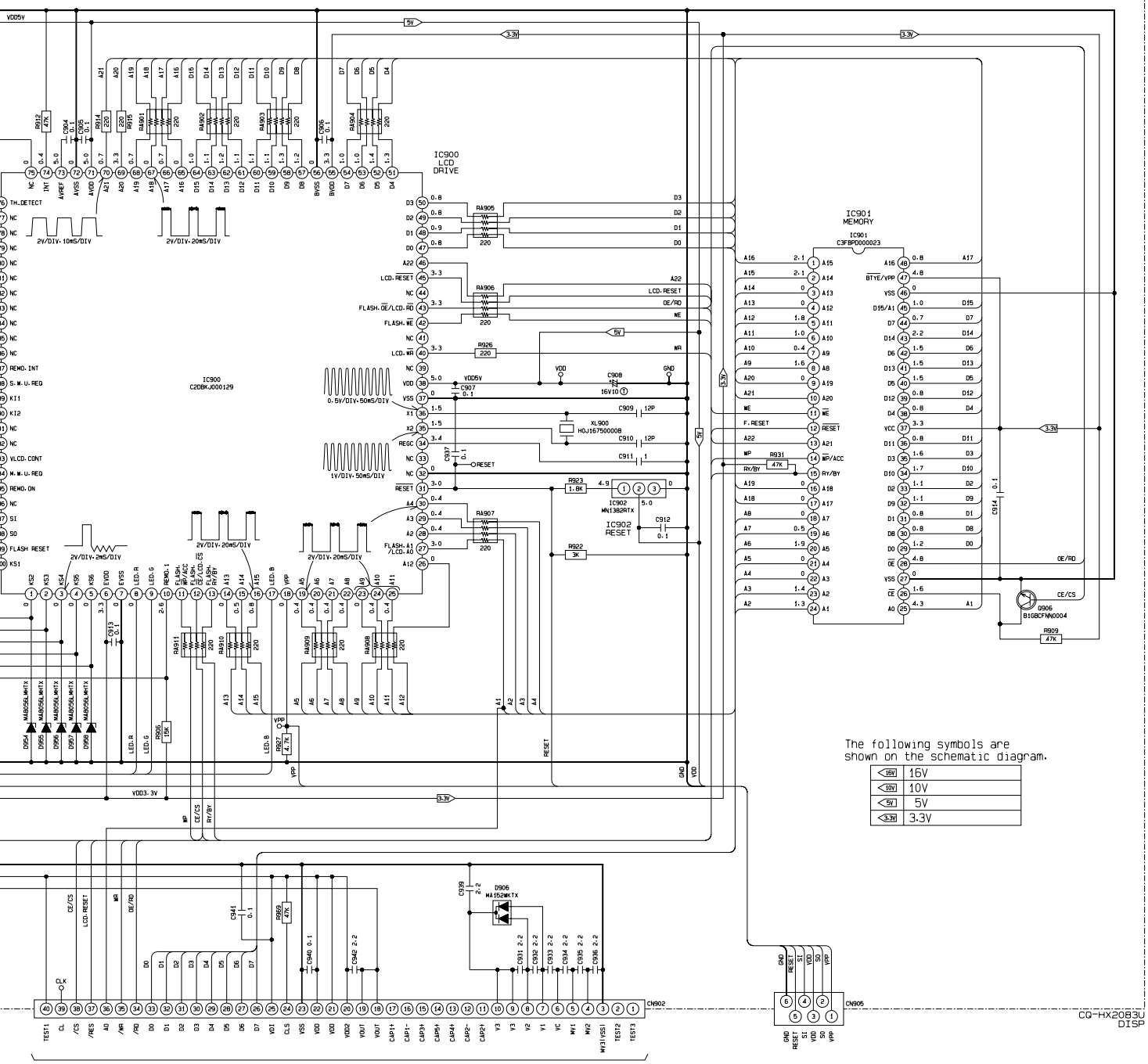
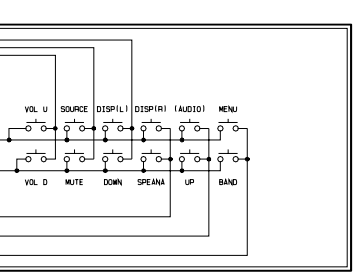
# 19.2. Display Block

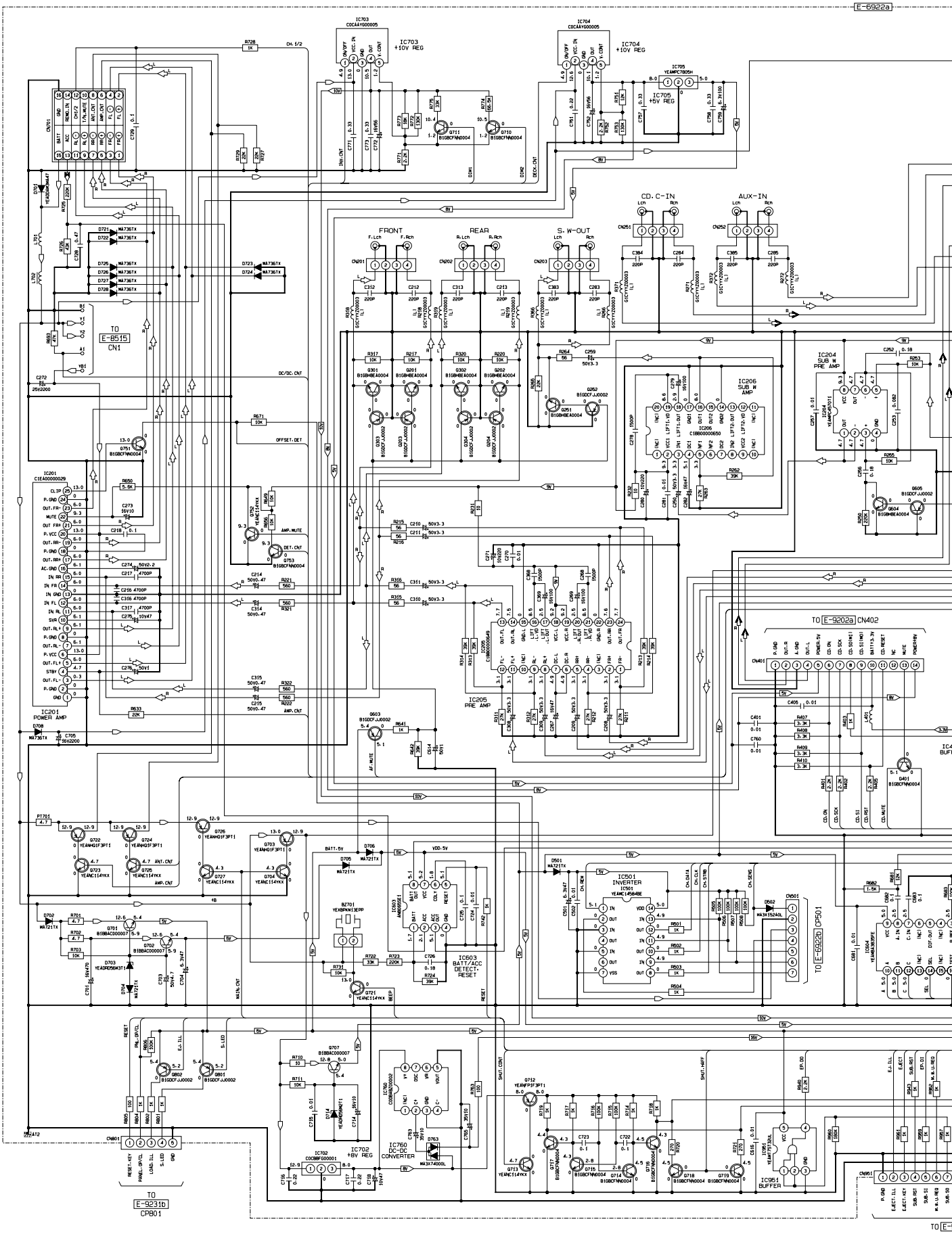


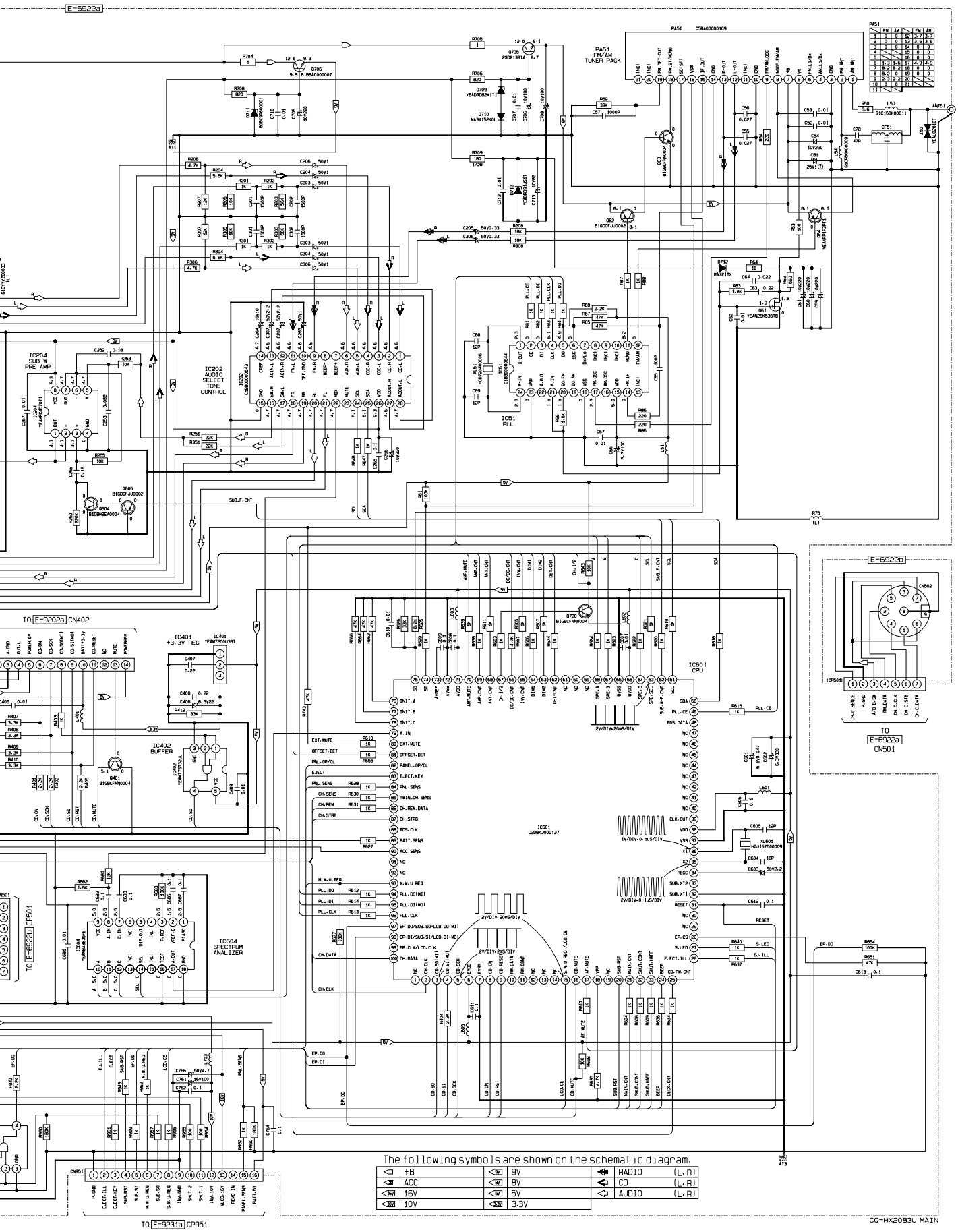

IC900
LCD
DRIVE
IC900
C2DBKJ000129
IC901
MEMORY
IC901
C3FBP0000023
IC902
RESET
IC902
MN1382RTX
XL900
HOJ16750000B
Q906
B1GBCFN00004
D906
MA152WKTX
CN902
CN905
The following symbols are
shown on the schematic diagram.
16V 16V
10V 10V
5V 5V
3.3V 3.3V


VOL U
SOURCE
DISP(L)
DISP(R)
(AUDIO)
MENU
VOL D
MUTE
DOWN
SPEANA
UP
BAND

# 19 SCHEMATIC DIAGRAM-2

## 19.1. Main Block




E-6922a
PA51
FM/AM
TUNER PACK
IC202
AUDIO
SELECT
TONE
CONTROL
IC204
SUB W
PRE AMP
IC51
PLL
IC401
+3.3V REG
IC402
BUFFER
IC601
CPU
IC504
SPECTRUM
ANALIZER
TO E-9202a CN402
TO E-6922a CN501
E-6922b
CN502
TO E-6922a CN501
TO E-9231a CP951
SUB.F.CNT
SCL
SDA
EP.DO
EP.DI
CH.DATA
CH.CLK
CD.SCK
CD.SI
CD.ON
CD.RST
LCD.CE
PANEL.SENS
The following symbols are shown on the schematic diagram.
+B
ACC
16V
10V
9V
8V
5V
3.3V
RADIO (L.R)
CD (L.R)
AUDIO (L.R)
CQ-HX2083U MAIN

E-9202a

OPTICAL HOLOGRAM PICK-UP

IC101 CXB8000056Z4 RF AMP

IC201 MN6627824BUC DSP, D/A CONV

IC202 C3ABM8000034 RAM

IC301 MN101C61GAH CPU

IC901 C00BY0000012 COIL-DRIVE-MOTOR DRIVE

Q101 2SB766ATX

Q901 B1BDC0000002

Q902 2SB766ATX

Q903 B1GDCFJN0011

Q451 B1GDCFJ00005

Q52 B1GDCFJ00005

XL201 21MHz

CN101

CN402

CN901

CN902

CN401

TO E-9202a CN401

E-9202c

Loading Motor M3

Spindle Motor M1

Traverse Motor M2

E-9202b

E-9202d

The following symbols are shown on the schematic diagram.

| | |
|---|---|
| 8V | 8V |
| 5V | 5V |
| 3.3V | 3.3V |
| CD | (L,R) |



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